



CONNECTED TO INNOVATION



GENERAL CATALOGUE



CONNECTED TO INNOVATION



Established in 1978, **Prevost** has built its activity around a range of products for compressed air distribution, including our flagship product, the push button quick coupling.

We have regularly extended our range around this product to cover all fluid distribution needs (compressed air, water, oil, gases).

The **Prevost** catalogue today contains all the items needed for connection, distribution and treatment of fluids.

We work continuously to improve the quality, efficiency and safety of our products, to meet growing market expectations and requirements.

Innovation and safety are at the heart of **Prevost's** product development strategy. Accordingly many of our products are patented, and comply with various international standards (ISO, EN, DIN).

Our know-how is applied to serve all users of pneumatic and hydraulic energy in industry, the automotive sector including garages and body shops, public works, wood, welding, agriculture, food processing, road services... the list is endless.



AN ENERGETIC COMPANY, SERVING ITS DISTRIBUTORS



A responsive sales department at your service

Prevost's sales department employs qualified sales engineers, experienced in fluid technologies. Each sales engineer covers a particular region and works with a network of professional distributors.

Our in-house technical and sales advisors assist you with the purchasing process and answer your technical, administrative and commercial questions.

Our training department holds regular sessions for customers, sales engineers and assistants to explain the technologies and products marketed by Prevost.

Efficient logistics

The entire logistics process is managed in real time via mobile terminals connected wirelessly to the central management system, ensuring perfect stock control.

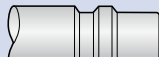
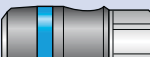
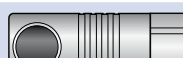
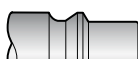
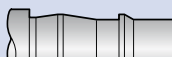
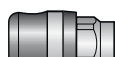
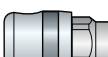
- ▶ Vast storage space
- ▶ High-performance WMS (Warehouse Management System) eliminating the risk of stock and shipping errors.
- ▶ Shipping and tracking of parcels, direct transmission by EDI

A dynamic marketing department

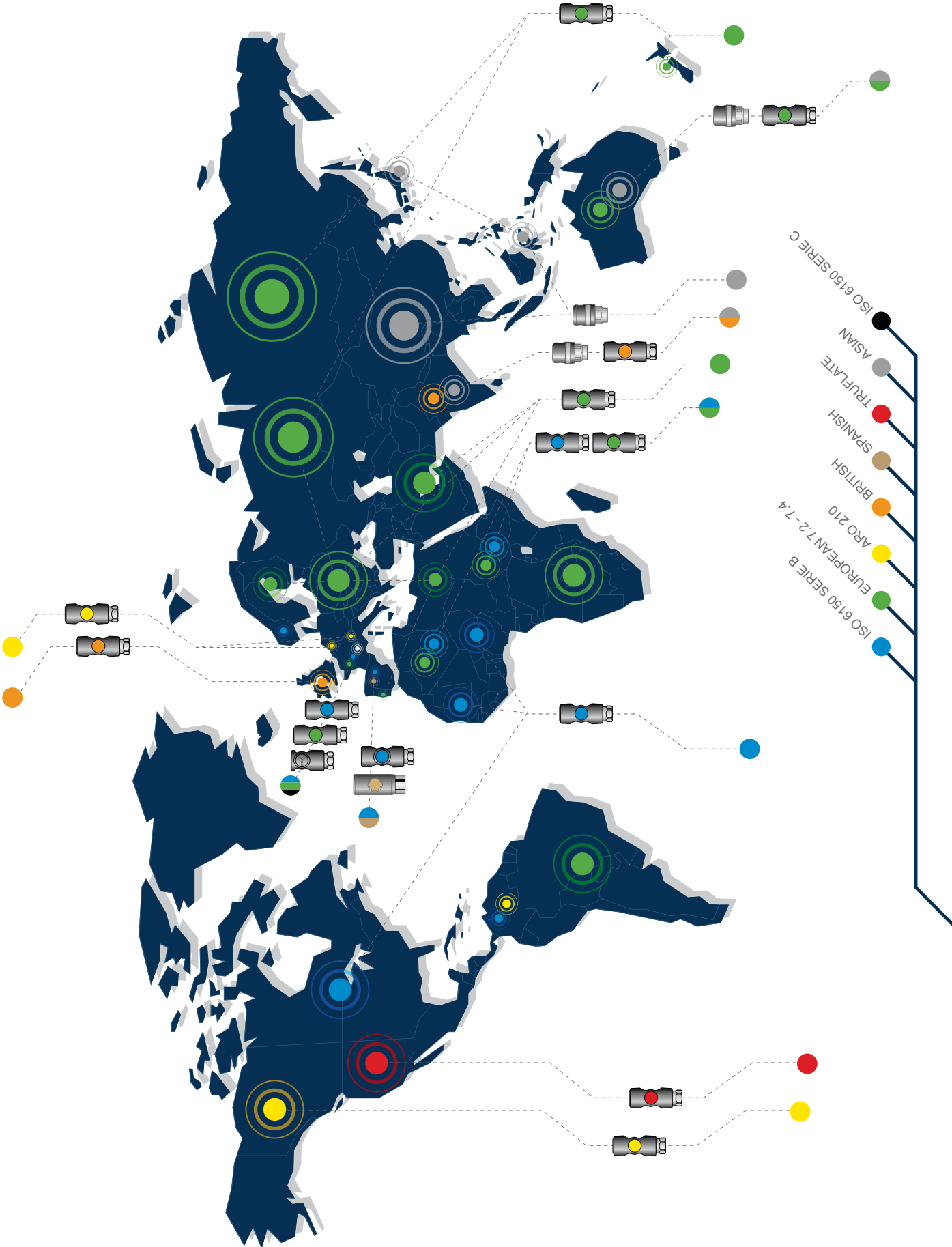
Our marketing team monitors market trends and adapts the company's solutions to our customers' expectations.

- ▶ Creation of multilingual commercial documentation.
- ▶ Organisation of national and international trade fairs
- ▶ Creation and maintenance of our web site www.prevost.eu
- ▶ Online and print advertising
- ▶ Development of product packaging and point of sale displays

PREVOST COUPLINGS

PROFILES	RACCORDS RAPIDES DE SÉCURITÉ			RACCORDS RAPIDES STANDARDS	
ISO 6150 SERIES B					
 IRP 06	 ISI 06	 ISC 06		 IRC 06	 IRM 06
 IRP 08	 ISI 08	 ISC 08		 IRC 08	
 IRP 11	 ISI 11	 ISG 11			
EUROPEAN 7.2 - 7.4					
 ERP 07	 ESI 07 - ESI 07HE			 ERC 07	
	 ESI 11				
ISO 6150 SERIES C					
 CRP 06	 CSI 06	 CSC 06	 CSM 06		
 CRP 08	 CSI 08	 CSC 08	 CSM 08		
 CRP 11			 CSM 11		
ARO 210					
 ARP 06	 ASI 06				
BRITISH					
 BRP 06	 BSI 06				
SPANISH					
 MRP 06		 MSC 06			
TRUFLATE					
 URP 06	 USI 06	 USC 06		 URC 06	
 URP 08	 USI 08	 USC 08		 URC 08	
	 USI 11				
ASIAN					
 ORP 08		 OSG 08		 ORG 08	

COUPLING PROFILES FOR DIFFERENT REGIONS





distribution

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treatment

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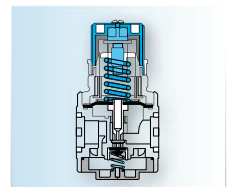
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SAFETY QUICK COUPLINGS

EXPERTISE AT THE SERVICE OF SAFETY AND PERFORMANCE

PREVO S1 couplings represent the **latest generation of pneumatic connection mechanisms**. They provide a fully safe response to the most demanding of operator requirements: **leaktightness, flow rate, speed of connection and disconnection**

Safety couplings are installed on air sources, on which connecting air hoses may generate whiplash.



HIGH PERFORMANCE

Push-button system

for intuitive and natural use. The connection profile is indicated by the colour of the button.

Optimal flow rate

Allows maximum efficiency of pneumatic systems and tools.

Perfect leaktightness

The excellent hold of the tip inside the coupling (contour plug, nitrile seal) ensures an airtight seal.

Silicone-free

Avoids risks of contaminating the compressed during operations such as applying paints or varnish. No silicone is used during the manufacturing and assembly process.

Non-scratch

The composite body avoids any damage to fragile surfaces (bodywork, furniture, computer hardware, and so on).

Anti-static body

Ensures electrical conduction and avoids risks related to static electricity phenomena.

Sleek design

The design of the Prevo S1 ensures that couplings can be easily and intuitively gripped, making them particularly easy to hold and handle.

Lightweight and compact

The small dimensions and volumes of Prevo S1 couplings contribute to accurate, fatigue-free work.

Sturdy

The composite body material with tough mechanical characteristics withstands abrasion, impacts, crushing, vibrations and corrosion.

Effortless connection

For changing tools with unbeatable speed and comfort.

Swivel body

The body swivels so that the button is accessible in any direction.

International compatibility

with all profiles (ISO B, ISO C, 7.2 mm etc.).

The Prevo S1 range meets the requirements of almost all standards.

SAFETY

Safety fully built-in

Pressure release mechanism avoids any risk of accidents when ejecting the adaptor on uncoupling. To disconnect, a single press on the button instantly releases the downline pressure in the pipe and uncouples the adaptor.

Coupling compliant with **ISO 4414** and **DIN EN 983** standards to guarantee user protection.

ATEX 94/9/CE classification

The **ATEX 2** certification confirms that **Prevo S1** is safe to use in most industries (gaseous environments, cereal transfers, paint cabins and so on). **Prevo S1** couplings must be considered as components intended to be incorporated into equipment. They do not have any potential ignition source of their own. They may be used in equipment built to meet the following classification:

- Group II
- ATEX group GD
- Category 2
- ATEX nature IIB

Applications

Prevo S1 can be used throughout a facility, on both fixed parts (supply to hoses or distribution of compressed air at fixed work stations) and direct connections (tools, blowers, spray guns). The size of the coupling's inside diameter depends on the amount of air required for the application.



QUALITY AND EXPERTISE AT THE HEART OF DESIGN



prevoS1 POLYMER RANGE

► Construction

- Body: composite polyester material
- Other components: steel with RoHS-* compliant anti-corrosion treatment, or aluminium
- NBR O-ring for thread seal

► Pressure and temperatures

- Service pressure range
2 to 12 bar (not suitable for vacuum)
- Temperature: 15 to 70°C

► Ultra-lightweight

- 74 g for couplings with
6 mm ID passage (hose outlet)
- 113 g for couplings with
8 mm ID passage (hose outlet)

► Anti-static

Prevo S1 couplings ensure electrical conductivity.

► Ease of coupling

- < 80 N at 6 bar for couplings with 6 mm ID passage
- < 100 N at 6 bar for couplings with 7.2 and 8 mm ID passage
- Unit of measurement N = Newton

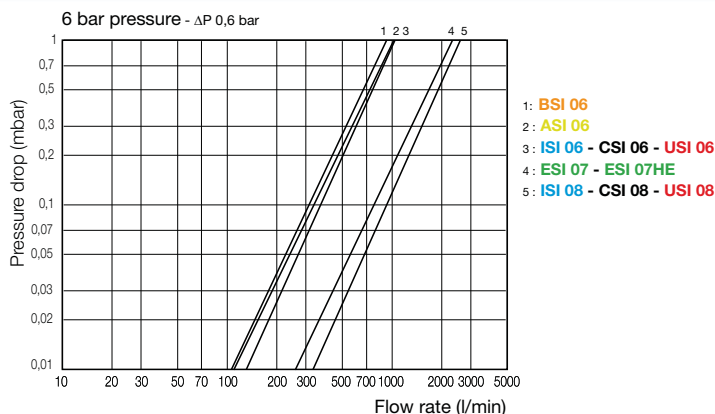
► Construction standards

- Prevo S1 couplings comply with:
 - the European Pressure Equipment Directive (PED) 97/23/CE
 - the safety requirements of the ISO 4414 standard
 - the European RoHS* directive 2002/95/CE

*Directive 2002/95/EC (RoHS)
on the restriction of the use of certain
hazardous substances in electrical and
electronic equipment (lead, mercury, cadmium,
hexavalent chromium, polybrominated
biphenyls (PBB) or polybrominated diphenyl
ethers (PBDE)).*

Flow rate at 6 bar for ΔP 0.6 bar

PROFILES	ISO B ID passage 6 mm	ISO C ID passage 6 mm	ARO ID passage 6 mm	British ID passage 6 mm	Truflate ID passage 6 mm	European ID passage 7.2 mm	ISO B ID passage 8 mm	ISO C ID passage 8 mm	Truflate ID passage 8 mm
REF. PREVOST	ISI 06	CSI 06	ASI 06	BSI 06	USI 06	ESI 07	ISI 08	CSI 08	USI 08
FLOW RATES l/mn	833	833	800	750	833	1 820	2 028	2 028	2 028





METAL RANGE **prevoS1** ID PASSAGE 11 MM

► Construction

- Body: 17% chromium stainless steel
- NBR O-ring for thread seal
- Locking: steel with anti-corrosion treatment
- Other components: steel with RoHS-compliant anti-corrosion treatment, or aluminium

► Pressure and temperatures

- Service pressure range
2 to 16 bar (not suitable for vacuum)
- Temperature: 15 to 70°C

► Coupling force at 6 bar:

< 160 N at 6 bar

Unit of measurement N = Newton

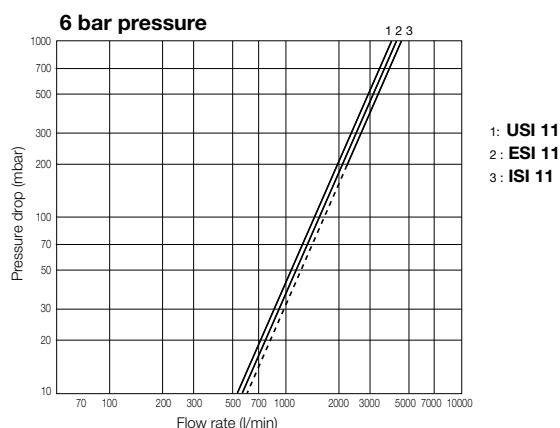
► Construction standards

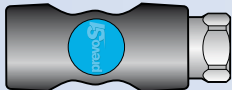
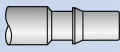
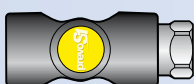
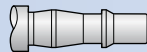
Prevo S1 couplings comply with:

- the European Pressure Equipment Directive (PED) 97/23/CE
- the safety requirements of the ISO 4414 standard
- the European RoHS directive 2002/95/CE

Flow rate at 6 bar for ΔP 0.6 bar

PROFILES	ISO B ID passage 11 mm	European ID passage 10.4 mm	Truflate ID passage 10 mm
REF. PREVOST	ISI 11	ESI 11	USI 11
FLOW RATES l/mn	3686	3530	2987



PROFILES	REF.	SAFETY QUICK COUPLINGS	ID PASSAGE	THREAD	FLOW RATES at 6 bar for ΔP 0.6 bar
ISO 6150 profile B US MIL 4109 	ISI 06		6 mm	BSP/NPT	833 l/min
ISO 6150 profile B US MIL 4109 	ISI 08		8 mm	BSP/NPT	2028 l/min
ISO 6150 profile B US MIL 4109 	ISI 11		11 mm	BSP/NPT	3686 l/min
European profile 7.2 - 7.4 mm 	ESI 07		7,2 mm	BSP/NPT	1820 l/min
European profile 7.2 - 7.4 mm (Stainless steel version) 	ESI 07HE		7,2 mm	BSP/NPT	1820 l/min
European profile 10,4 	ESI 11		10,4 mm	BSP	3530 l/min
ISO 6150 C profile 	CSI 06		6 mm	BSP	833 l/min
ISO 6150 C profile 	CSI 08		8 mm	BSP	2028 l/min
ARO 210 profile 	ASI 06		6 mm	BSP/NPT	800 l/min
British profile 	BSI 06		6 mm	BSP	750 l/min
Truflate profile 	USI 06		6 mm	NPT	833 l/min
Truflate profile 	USI 08		8 mm	NPT	2028 l/min
Truflate profile 	USI 11		10 mm	NPT	2987 l/min

IMPLANTATION TYPE



► Cylindrical tapping

- BSP gas
- International standard ISO 228/1



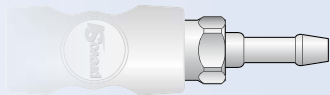
► Male cylindrical thread

- BSP gas
- Built-in gasket
- International standard ISO 228/1



► Conical male thread

- BSP gas
- American thread standard ANSI/ASME B 1.20.1 (North-American market)

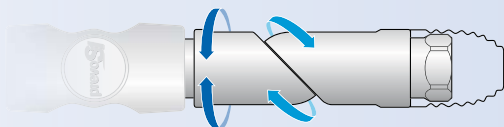


► Hose coupling

- Assembly with screw clamp or lug clamp

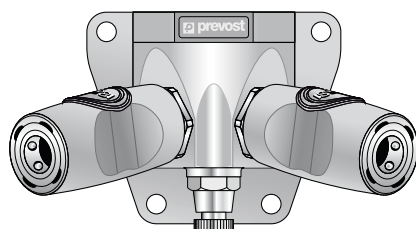


► Bulkhead penetration



► Tapped swivel coupling

- 360° rotation in two axes
- Scratch protection



► Wall-mounted fitting

PREVOST HIGH-QUALITY ADAPTORS

- **Material:** Steel, withstands scratches and corrosion.
Prevost adaptors comply with the European RoHS directive 2002/95/CE
- **Interchangeability:** Compatible with all applicable standards and international profiles: dimensions, dimensional tolerance, hardness and protection against corrosion.

High quality machining ensures that **Prevost** adaptors are a perfect fit for their couplings, and ensure that the coupling and adaptor system is safe and durable under even the harshest conditions of use.

IDENTIFICATION OF COUPLINGS

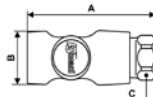
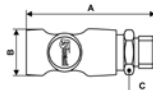
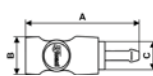
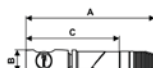
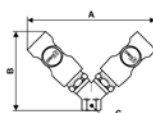
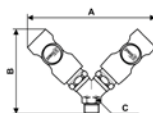
- Colour coded international profiles
- Logical part numbering system
- Thread type engraved on product

I	S	I	06	1	1	01	SW
			06 : Ø 6 mm 07 : Ø 7,2 mm 08 : Ø 8 mm 11 : Ø 11 mm			Optional	
			I = prevoSi P = Adaptor	1 = Coupling 2 = Penetration 6 = Adaptor 8 = Y			
S = Safety			1 = BSP 2 = NPT 8 = Hose tail				
A = Aro B = British C = ISO C E = 7.2 mm	I = ISO B M = Spanish U = Truflate O = Nitto		101 = 1/4 female 102 = 3/8 female 103 = 1/2 female 104 = 3/4 female 151 = 1/4 male 152 = 3/8 male 153 = 1/2 male 154 = 3/4 male		806 = 6 mm hose 808 = 8 mm hose 810 = 10 mm hose 813 = 13 mm hose 816 = 16 mm hose 819 = 19 mm hose		

QUICK RELEASE SAFETY COUPLINGS ONE PUSH - ESI 07



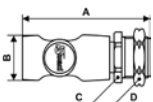
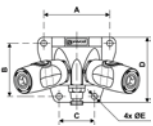
Safety avoids hose whip	Temperature - 15°C + 70°C	Construction Composite	Use Pneumatic tools	ID Passage 7,2 - 7,4 mm	Pressure P.N. 12 bar	Weight 86 g (coupling for 13 mm hose)	Colour Black / Green	Flow rate at 6 bar 1 820 l/min - DP = 0,6 b
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		A	B	C	D	E	DESCRIPTION	REFERENCE
Female thread coupler								
		73.3	32.25	23			G 1/4	ESI 071101
		73.3	32.25	23			G 3/8	ESI 071102
		80.3	32.25	26			G 1/2	ESI 071103
Parallel male thread coupler								
		81.3	32.25	23			G 1/4	ESI 071151
		82.3	32.25	23			G 3/8	ESI 071152
		84.3	32.25	26			G 1/2	ESI 071153
Hose stem coupler								
		87.3	32.25	22,6			Ø 6 mm	ESI 071806
		87.3	32.25	22,6			Ø 8 mm	ESI 071808
		87.3	32.25	22,6			Ø 9 mm	ESI 071809
		87.3	32.25	22,6			Ø 10 mm	ESI 071810
		92.3	32,25	22,6			Ø 13 mm	ESI 071813
Threaded swivel coupler								
							Tapped swivel coupler 360° rotation in 2 axes	
		176.3	32.25	128,6			G 3/8	ESI 071102SW
Female thread twin coupler								
		150	97	23			G 3/8	ESI 078102
		160	111	26			G 1/2	ESI 078103
Male thread twin coupling								
		145	95	23			G 3/8	ESI 078152
		155	108	26			G 1/2	ESI 078153

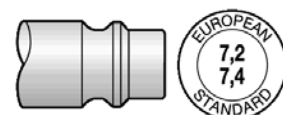
QUICK RELEASE SAFETY COUPLINGS ONE PUSH - ESI 07



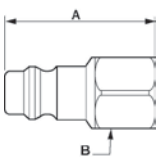
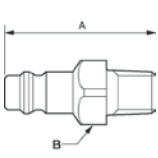
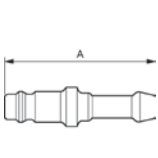
Safety avoids hose whip	Temperature -15°C + 70°C	Construction Composite	Use Pneumatic tools	ID Passage 7,2 - 7,4 mm	Pressure P.N. 12 bar	Weight 86 g (coupling for 13 mm hose)	Colour Black / Green	Flow rate at 6 bar 1 820 l/min - DP = 0,6 b
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		A	B	C	D	E	DESCRIPTION	REFERENCE	
Bulkhead coupler									
		87.8	32.25	29	32		G 1/2 Ø bore on panel: 27 mm Panel thickness: 2 to 11 mm maxi	ESI 072103	
Female threaded double wall fastner - 2 couplings and drain - European High Flow Profile 7.2 mm									
		71	57	38	70	6,5	Female threaded inlet	Outlet: 2 couplings	
		71	57	38	70	6,5	G 1/2	2 ESI 07 couplings	ESI 078103WF
							G 3/4	2 ESI 07 couplings	ESI 078104WF

QUICK RELEASE ADAPTORS ERP 07



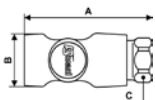
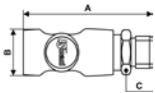
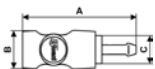
ID Passage 7,2 - 7,4 mm	Pressure P.N. 16 bar	Accuracy Precise dimensions	Hardness Abrasion-resistant	Construction Treated steel
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		A	B	DESCRIPTION	REFERENCE
Female threaded adaptor					
		40	15	G 1/4	ERP 076101
		41	21	G 3/8	ERP 076102
		44	27	G 1/2	ERP 076103
Tapered thread male adaptor					
				Teflon-coated threading	
		35.5	13	R 1/4 - Teflon-coated	ERP 076151
		41	17	R 3/8 - Teflon-coated	ERP 076152
		52	24	R 1/2 - Teflon coated	ERP 076153
Hose tail adaptor					
		44.5		Ø 6 mm	ERP 076806
		46		Ø 8 mm	ERP 076808
		54		Ø 9 mm	ERP 076809
		46		Ø 10 mm	ERP 076810
		51.5		Ø 13 mm	ERP 076813

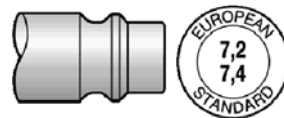
S/ STEEL QUICK RELEASE SAFETY COUPLINGS - ESI 07 HE



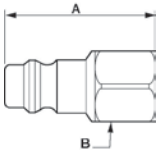
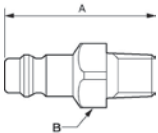
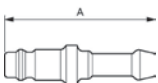
Safety avoids hose whip	Temperature - 15°C + 70°C	Construction Composite body + INOX 316L stainless steel	Use Humid - corrosive environment	ID Passage 7,2 - 7,4 mm	Pressure P.N. 12 bar	Colour Black / Green	Flow rate at 6 bar 1 820 l/min - DP = 0,6 b
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		A	B	C	DESCRIPTION	REFERENCE
Female thread coupler						
NEW 		73.3	32.2	23	G 1/4	ESI 071101HE
		73.3	32.2	26	G 3/8	ESI 071102HE
		80.3	32.2	26	G 1/2	ESI 071103HE
Parallel male thread coupler						
NEW 		81.3	32.2	23	G 1/4	ESI 071151HE
		82.3	32.2	26	G 3/8	ESI 071152HE
		84.3	32.2	26	G 1/2	ESI 071153HE
Hose stem coupler						
NEW 		87.3	32.2	23	Ø 8 mm	ESI 071808HE
		87.3	32.2	23	Ø 9 mm	ESI 071809HE
		87.3	32.2	23	Ø 10 mm	ESI 071810HE

S/STEEL QUICK RELEASE ADAPTORS - ERP 07 HE



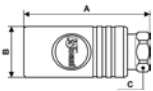
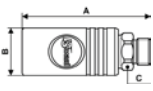
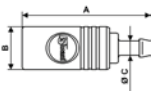
ID Passage 7,2 - 7,4 mm	Pressure P.N. 16 bar	Accuracy Precise dimensions	Hardness Abrasion-resistant	Construction Stainless steel 316L	Use Corrosive ambience Humid environment
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		A	B	DESCRIPTION	REFERENCE
Female threaded adaptor					
NEW 		40	15	G 1/4	ERP 076101HE
		41	21	G 3/8	ERP 076102HE
Tapered thread male adaptor					
NEW 				Teflon-coated threading	
		35.5	13	R 1/4 - Teflon-coated	ERP 076151HE
		41	17	R 3/8 - Teflon-coated	ERP 076152HE
Hose tail adaptor					
NEW 		46		Ø 8 mm	ERP 076808HE
		54		Ø 9 mm	ERP 076809HE
		46		Ø 10 mm	ERP 076810HE

S/ STEEL QUICK RELEASE SAFETY COUPLINGS ONE PUSH - ESI 11

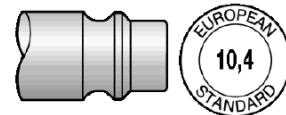


Safety avoids hose whip	Temperature - 15°C + 70°C	Construction Stainless steel body	ID Passage 10,4 mm	Pressure P.N. 16 bar	Colour Metal / Green button	Flow rate at 6 bar 3 530 l/min - DP = 0,6 b
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		A	B	C	DESCRIPTION	REFERENCE
Female thread coupler						
NEW 		92,5	37	26	G 3/8	ESI 111102
		93,5	37	26	G 1/2	ESI 111103
		102	37	30	G 3/4	ESI 111104
Parallel male thread coupler						
NEW 		100,4	37	26	G 3/8	ESI 111152
		101,4	37	26	G 1/2	ESI 111153
		105,9	37	32	G 3/4	ESI 111154
Hose stem coupler						
NEW 					Ø 9 mm	ESI 111809
		111,4	37	15,5	Ø 16 mm	ESI 111816
		152,5	37	18,5	Ø 19 mm	ESI 111819

QUICK RELEASE ADAPTORS

ERP 11



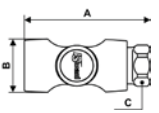
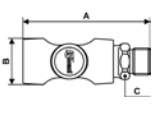
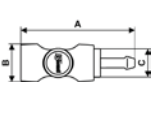
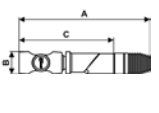
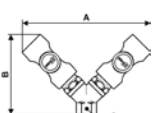
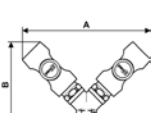
Hardness Abrasion-resistant Hardness : 650 Hv	ID Passage 10,4 mm	Accuracy Precise dimensions	Pressure 16 bar	Construction Treated steel
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		DESCRIPTION	REFERENCE
Female threaded adaptor			
		G 3/8	ERP 116102
		G 1/2	ERP 116103
		G 3/4	ERP 116104
Male threaded adaptor			
		R 3/8 - Teflon-coated	ERP 116152
		R 1/2	ERP 116153
		R 3/4 - Teflon-coated	ERP 116154
Hose tail adaptor			
		Ø 9 mm	ERP 116809
		Ø 10 mm	ERP 116810
		Ø 13 mm	ERP 116813
		Ø 16 mm	ERP 116816
		Ø 19 mm	ERP 116819

QUICK RELEASE SAFETY COUPLINGS ONE PUSH - ISI 06



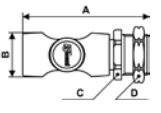
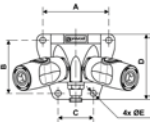
Safety avoids hose whip	Temperature - 15°C + 70°C	Construction Composite	Use Pneumatic tools	ID Passage 6 mm	Pressure P.N. 12 bar	Colour Black / Blue	Flow rate at 6 bar 833 l/min - DP = 0,6 b	Weight 74 g (coupling for 8 mm hose)
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		A	B	C	D	E	DESCRIPTION	REFERENCE
Female thread coupler								
		68.6	30	20			G 1/4	ISI 061101
		74	30	20			G 3/8	ISI 061102
		80.1	30	26			G 1/2	ISI 061103
Parallel male thread coupler								
		76.3	30	20			G 1/4	ISI 061151
		78.3	30	23			G 3/8	ISI 061152
		82.3	30	26			G 1/2	ISI 061153
Hose stem coupler								
		83	30	19.4			Ø 6 mm	ISI 061806
		83	30	19.4			Ø 8 mm	ISI 061808
		83	30	19.4			Ø 10 mm	ISI 061810
		88	30	19.4			Ø 13 mm	ISI 061813
Threaded swivel coupler								
							Tapped swivel coupler 360° rotation in 2 axes	
		172	30	125.3			G 3/8	ISI 061102SW
Female thread twin coupler								
		134	82	17			G 1/4	ISI 068101
		140	87	20			G 3/8	ISI 068102
		150	95	25			G 1/2	ISI 068103
Male thread twin coupling								
		134	88	17			G 1/4	ISI 068151
		140	92	20			G 3/8	ISI 068152
		150	104	25			G 1/2	ISI 068153

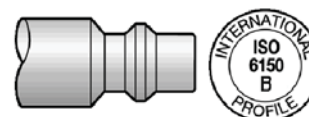
QUICK RELEASE SAFETY COUPLINGS ONE PUSH - ISI 06



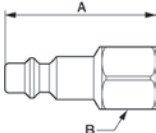
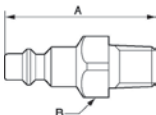
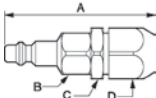
Safety avoids hose whip	Temperature - 15°C + 70°C	Construction Composite	Use Pneumatic tools	ID Passage 6 mm	Pressure P.N. 12 bar	Colour Black / Blue	Flow rate at 6 bar 833 l/min - DP = 0,6 b	Weight 74 g (coupling for 8 mm hose)
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		A	B	C	D	E	DESCRIPTION	REFERENCE
Bulkhead coupler								
		84	30	29	32		Female threaded G 1/4 Ø bore on panel : 27 mm Panel thickness : 2 to 11 mm maxi	ISI 062101
Female threaded double wall fastener - 2 couplings and drain - ISO B Profile - ID passage 6 mm								
		71	57	38	70	6,5	Female threaded inlet G 1/2	Outlet: 2 couplings 2 ISI 06 couplers
		71	57	38	70	6,5	G 3/4	2 ISI 06 couplers
								ISI 068103WF ISI 068104WF

QUICK RELEASE ADAPTORS IRP 06



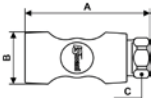
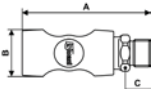
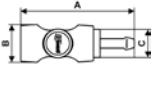
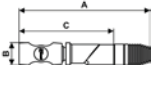
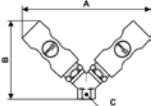
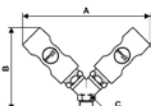
ID Passage 6 mm	Pressure P.N. 16 bar	Accuracy Precise dimensions	Construction Treated steel Corrosion- proof treatment	Hardness Abrasion-resistant
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		A	B	C	D	DESCRIPTION	REFERENCE
Female threaded adaptor							
		40.5	15			G 1/4	IRP 066101
		43	14			G 1/4 with sealing cone	IRP 066101AE
		45	21			G 3/8	IRP 066102
		34	14			Michelin thread (0.8).For use with tyre inflators	IRP 066310
		44	17			Devilbiss - 9/16" thread - 20 threads per inch	IRP 066315
		41	17			1/4 NPS M	IRP 066301
		43	14			14/125 with sealing cone	IRP 066314
Tapered thread male adaptor							
						Teflon-coated thread	
		39.5	13			R 1/4 - Teflon-coated	IRP 066151
		42	17			R 3/8 - Teflon-coated	IRP 066152
		43	17			14/125 - parallel	IRP 066354
Hose tail adaptor							
		49				Ø 6 - 7 mm	IRP 066806
		50				Ø 8 mm	IRP 066808
		50				Ø 9 - 10 mm	IRP 066810
		85				Ø 13 mm	IRP 066813
Capped hose tail adaptor							
		76	17	17	19	Ø 6 x 12 mm - Ø 6 x 11 mm	IRP 066806CO
		79	17	22	24	Ø 8 x 14 mm - Ø 8 x 13 mm	IRP 066808CO
		79	17	22	24	Ø 9 x 15 mm - Ø 9 x 14 mm	IRP 066809CO
		79	17	22	24	Ø 10 x 16 mm - Ø 10 x 15 mm	IRP 066810CO

QUICK RELEASE SAFETY COUPLINGS ONE PUSH - ISI 08



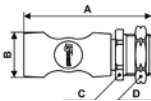
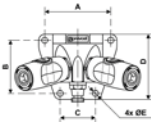
Pressure P.N. 12 bar	Safety avoids hose whip	Construction Composite	Use Pneumatic tools	ID Passage 8 mm	Temperature - 15°C + 70°C	Colour Black / Blue	Flow rate at 6 bar 2 028 l/min - DP = 0,6 b	Weight 113 g (coupling for 13 mm hose)
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		A	B	C	D	E	DESCRIPTION	REFERENCE
Female thread coupler								
		82.4	33	23			G 1/4	ISI 081101
		82.4	33	23			G 3/8	ISI 081102
		89.4	33	26			G 1/2	ISI 081103
Cylindrical male thread coupler								
		90.4	33	23			G 1/4	ISI 081151
		91.4	33	23			G 3/8	ISI 081152
		93.4	33	26			G 1/2	ISI 081153
Hose stem coupler								
		96,4	33	22.6			Ø 8 mm	ISI 081808
		96,4	33	22.6			Ø 10 mm	ISI 081810
		101,4	33	22.6			Ø 13 mm	ISI 081813
		101,4	33	22.6			Ø 16 mm	ISI 081816
Tapped swivel coupler								
							Tapped swivel coupler 360° rotation in 2 axes	
		184	33	137.7			G 3/8	ISI 081102SW
Female thread twin coupler								
		160	98	20			G 3/8	ISI 088102
		167	103	25			G 1/2	ISI 088103
		180	124	25			G 3/4	ISI 088104
Male thread twin coupling								
		160	103	20			G 3/8	ISI 088152
		167	112	25			G 1/2	ISI 088153
		180	145	32			G 3/4	ISI 088154

QUICK RELEASE SAFETY COUPLINGS ONE PUSH - ISI 08



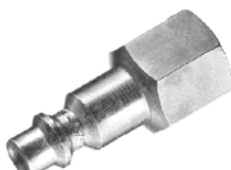
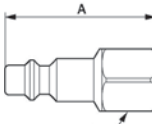
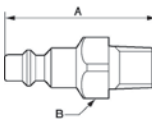
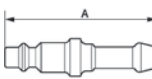
Pressure P.N. 12 bar	Safety avoids hose whip	Construction Composite	Use Pneumatic tools	ID Passage 8 mm	Temperature - 15°C + 70°C	Colour Black / Blue	Flow rate at 6 bar 2 028 l/min - DP = 0,6 b	Weight 113 g (coupling for 13 mm hose)
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		A	B	C	D	E	DESCRIPTION	REFERENCE
Bulkhead coupler								
		96,9	33	29	32		G 1/2 Ø bore on panel : 27 mm Panel thickness : 2 to 11 mm maxi	ISI 082103
Female threaded double wall fastner - 2 couplings and drain - ISO B Profile - ID passage 8 mm								
		71	57	38	70	6,5	Female threaded inlet G 1/2	Outlet: 2 couplings 2 ISI 08 couplers
		71	57	38	70	6,5	G 3/4	2 ISI 08 couplers
								ISI 088103WF ISI 088104WF

QUICK RELEASE ADAPTORS IRP 08



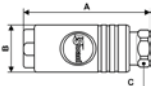
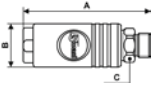
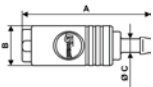
Hardness Abrasion-resistant	ID Passage 8 mm	Accuracy Precise dimensions	Pressure 16 bar	Construction Treated steel Corrosion- proof treatment
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		A	B	DESCRIPTION	REFERENCE
Female threaded adaptor					
		45	17	G 1/4	IRP 086101
		49	21	G 3/8	IRP 086102
		53	28	G 1/2	IRP 086103
Tapered thread male adaptor					
				Teflon-coated thread	
		44.5	17	R 1/4 - Teflon-coated	IRP 086151
		44.5	17	R 3/8 - Teflon-coated	IRP 086152
		55	22	R 1/2 - Teflon-coated	IRP 086153
Hose tail adaptor					
		62		Ø 8 mm	IRP 086808
		53.5		Ø 9 - 10 mm	IRP 086810
		59		Ø 13 mm	IRP 086813
		60		Ø 16 mm	IRP 086816

QUICK RELEASE SAFETY COUPLINGS ONE PUSH - ISI 11

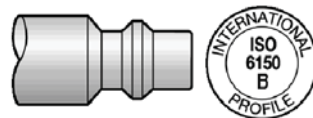


Pressure P.N. 16 bar	Safety avoids hose whip	Construction Stainless steel body	Use Pneumatic tools	ID Passage 11 mm	Temperature - 15°C + 70°C	Colour Inox/Blue button	Flow rate at 6 bar 3 686l/min - DP = 6 b
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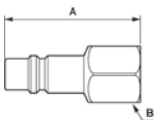
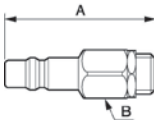
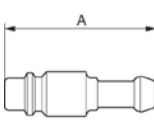
		A	B	C	DESCRIPTION	REFERENCE
Female thread coupler						
NEW 		101	37	26	G 3/8	ISI 111102
		102	37	26	G 1/2	ISI 111103
		110,5	37	30	G 3/4	ISI 111104
Cylindrical male thread coupler						
NEW 		108,9	37	26	G 3/8	ISI 111152
		109,9	37	26	G 1/2	ISI 111153
		114,4	37	32	G 3/4	ISI 111154
Hose stem coupler						
NEW 		136	37	10	Ø 10 mm	ISI 111810
		120	37	12,5	Ø 13 mm	ISI 111813
		120	37	15,5	Ø 16 mm	ISI 111816
		161	37	18,5	Ø 19 mm	ISI 111819

QUICK RELEASE ADAPTORS

IRP 11



Hardness Abrasion-resistant Hardness : 650 Hv	ID Passage 11 mm	Accuracy Precise dimensions	Pressure 16 bar	Construction Treated steel
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		A	B	DESCRIPTION	REFERENCE
Female threaded adaptor					
		60	25	G 3/8	IRP 116102
		60	25	G 1/2	IRP 116103
Tapered thread male adaptor					
				Teflon coated threading	
		82	25	R 3/8 - Teflon-coated	IRP 116152
		84	25	R 1/2 - Teflon-coated	IRP 116153
Hose tail adaptor					
		65		Ø 9 - 10 mm	IRP 116810
		70		Ø 13 mm	IRP 116813
		69		Ø 16 mm	IRP 116816
		92		Ø 19 mm	IRP 116819

QUICK RELEASE SAFETY COUPLINGS ONE PUSH - ASI 06



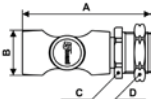
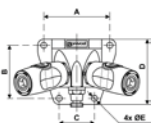
Safety	Temperature - 10°C + 70°C	Construction Composite	Use Pneumatic tools	ID Passage 6 mm	Pressure P.N. 12 bar	Weight 74 g (coupling for 6 mm hose)	Colour Black / Yellow	Flow rate at 6 bar 800 l/min - DP = 0,6 b
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		A	B	C	D	E	DESCRIPTION	REFERENCE
Female thread coupler								
		68.6	30	20			G 1/4	ASI 061101
		74	30	20			G 3/8	ASI 061102
		80.1	30	26			G 1/2	ASI 061103
Parallel male thread coupler								
		76.3	30	20			G 1/4	ASI 061151
		78.3	30	23			G 3/8	ASI 061152
		82.3	30	26			G 1/2	ASI 061153
Hose stem coupler								
		83	30	19.4			Ø 6 mm	ASI 061806
		83	30	19.4			Ø 8 mm	ASI 061808
		83	30	19.4			Ø 10 mm	ASI 061810
		88	30	19.4			Ø 13 mm	ASI 061813
Threaded swivel coupler								
							Tapped swivel coupler 360° rotation in 2 axes	
		172	30	125,3			G 3/8	ASI 061102SW
Female thread twin coupler								
		134	82	17			G 1/4	ASI 068101
		140	87	20			G 3/8	ASI 068102
		150	95	25			G 1/2	ASI 068103
Male thread twin coupling								
		134	88	17			G 1/4	ASI 068151
		140	92	20			G 3/8	ASI 068152
		150	104	25			G 1/2	ASI 068153

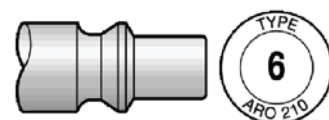
QUICK RELEASE SAFETY COUPLINGS ONE PUSH - ASI 06



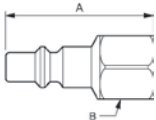
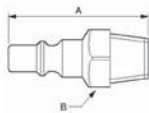
Safety	Temperature - 10°C + 70°C	Construction Composite	Use Pneumatic tools	ID Passage 6 mm	Pressure P.N. 12 bar	Weight 74 g (coupling for 6 mm hose)	Colour Black / Yellow	Flow rate at 6 bar 800 l/min - DP = 0,6 b
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		A	B	C	D	E	DESCRIPTION	REFERENCE	
Bulkhead coupler									
		84	30	29	32		Female threaded G 1/4 Ø bore on panel : 27 mm Panel thickness : 2 to 11 mm maxi	ASI 062101	
Female threaded double wall fastner - 2 couplings and drain - ARO Profile - ID passage 6 mm									
		71	57	38	70	6,5	Female threaded inlet	Outlet: 2 couplings	
							G 1/2	2 ASI 06 couplers	ASI 068103WF
		71	57	38	70	6,5	G 3/4	2 ASI 06 couplers	ASI 068104WF

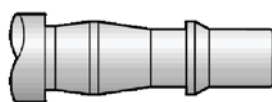
QUICK RELEASE ADAPTORS ARP 06



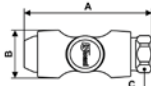
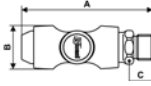
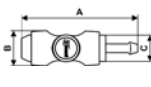
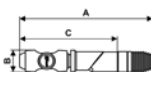
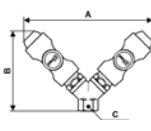
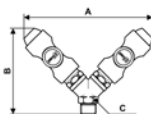
Hardness Abrasion-resistant	ID Passage 6 mm	Accuracy Precise dimensions	Pressure P.N 16 bar	Construction Treated steel Corrosion- proof treatment
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		A	B	DESCRIPTION	REFERENCE
Female threaded adaptor					
		40	15	G 1/4	ARP 066101
		44	21	G 3/8	ARP 066102
Tapered thread male adaptor					
		38.5	13	R 1/4 - Teflon-coated	ARP 066151
		44	17	R 3/8 - Teflon-coatec	ARP 066152
Hose tail adaptor					
		53		Ø 6-7 mm	ARP 066806
		49		Ø 8 mm	ARP 066808
		55		Ø 9 - 10 mm	ARP 066810

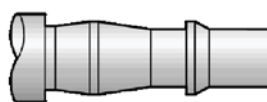
QUICK RELEASE SAFETY COUPLINGS ONE PUSH - BSI 06



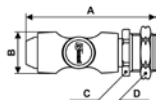
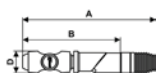
Safety	Temperature - 15°C + 70°C	Construction Composite	Use Pneumatic tools	ID Passage 6 mm	Pressure P.N. 12 bar	Weight 86 g (coupling for 6 mm hose)	Colour Black / Orange	Flow rate at 6 bar Flow rate : 750 l/ min - DP = 0,6 b
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		A	B	C	D	E	DESCRIPTION	REFERENCE
Female thread coupler								
		76.2	30	20			G 1/4	BSI 061101
		81.6	30	20			G 3/8	BSI 061102
		87.7	30	26			G 1/2	BSI 061103
Parallel male thread coupler								
		83.9	30	20			G 1/4	BSI 061151
		85.9	30	23			G 3/8	BSI 061152
		89.9	30	26			G 1/2	BSI 061153
Hose stem coupler								
		90.6	30	19.4			Ø 6 mm	BSI 061806
		90.6	30	19.4			Ø 8 mm	BSI 061808
		90.6	30	19.4			Ø 10 mm	BSI 061810
		95.6	30	19.4			Ø 13 mm	BSI 061813
Threaded swivel coupler								
							Tapped swivel coupler 360° rotation in 2 axes	
		180	30	132.9			G 3/8	BSI 061102SW
Female thread twin coupler								
		137	83	20			G 1/4	BSI 068101
		142	89	23			G 3/8	BSI 068102
		153	95	26			G 1/2	BSI 068103
Male thread twin coupling								
		137	89	20			G 1/4	BSI 068151
		142	93	23			G 3/8	BSI 068152
		153	106	26			G 1/2	BSI 068153

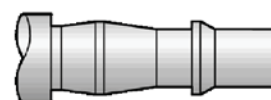
QUICK RELEASE SAFETY COUPLINGS ONE PUSH - BSI 06



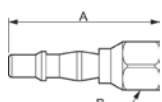
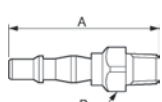
Safety	Temperature - 15°C + 70°C	Construction Composite	Use Pneumatic tools	ID Passage 6 mm	Pressure P.N. 12 bar	Weight 86 g (coupling for 6 mm hose)	Colour Black / Orange	Flow rate at 6 bar Flow rate : 750 l/ min - DP = 0,6 b
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		A	B	C	D	E	DESCRIPTION	REFERENCE
Bulkhead coupler								
		84	30	29	32		Female threaded G 1/4 Ø bore on panel : 27 mm Panel thickness : 2 to 11 mm maxi	BSI 062101
Female threaded double wall fastener - 2 couplings and drain - British Profile - ID passage 6 mm								
		71	57	38	70	6,5	Female threaded inlet G 3/4 Outlet: 2 couplings 2 BSI 06 couplers	BSI 068104WF

QUICK RELEASE ADAPTORS BRP 06



Hardness Abrasion-resistant	ID Passage 6 mm	Accuracy Precise dimensions	Pressure P.N. 16 bar	Construction Treated steel Corrosion- proof treatment
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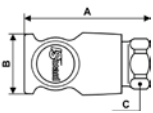
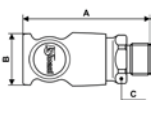
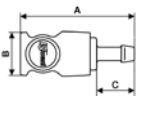
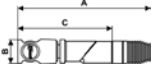
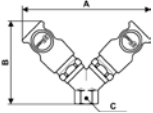
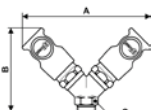
		A	B	DESCRIPTION	REFERENCE
Female threaded adaptor					
		53	17	G 1/4	BRP 066101
		57	21	G 3/8	BRP 066102
Tapered thread male adaptor					
				Teflon-coated thread	
		55	14	R 1/4	BRP 066151
		57	17	R 3/8	BRP 066152
Hose tail adaptor					
		64		Ø 6 mm	BRP 066806
		68		Ø 8 mm	BRP 066808
		68		Ø 10 mm	BRP 066810

SAFETY QUICK COUPLINGS

ONE PUSH - CSI 06



Temperature - 15°C + 70°C	ID Passage 6 mm	Colour Black / Black	Flow rate at 6 bar DP 0,6 b = 833 l/min	Construction Composite	Pressure P.N. 12 bar	Safety	Use Pneumatic tools	Weight 37 g (coupling for 8 mm hose)
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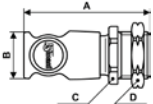
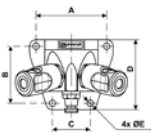
		A	B	C	D	E	DESCRIPTION	REFERENCE
Female thread coupler								
		55	27	20			G 1/4	CSI 061101
		60.5	27	20			G 3/8	CSI 061102
		66.5	27	26			G 1/2	CSI 061103
Cylindrical male thread coupler								
		63	27	20			G 1/4	CSI 061151
		65	27	23			G 3/8	CSI 061152
		69	27	26			G 1/2	CSI 061153
Hose stem coupler								
		69.5	27	23			Ø 6 mm	CSI 061806
		69.5	27	23			Ø 8 mm	CSI 061808
		69.5	27	23			Ø 10 mm	CSI 061810
		74.5	27	28			Ø 13 mm	CSI 061813
Tapped swivel coupler								
							Tapped swivel coupler 360° rotation in 2 axes	
		158	27	112			G 3/8	CSI 061102SW
Female thread twin coupler								
		101	68	17			G 1/4	CSI 068101
		116	74	20			G 3/8	CSI 068102
		125	82	25			G 1/2	CSI 068103
Male thread twin coupling								
		110	75	17			G 1/4	CSI 068151
		116	80	20			G 3/8	CSI 068152
		125	88	25			G 1/2	CSI 068153

SAFETY QUICK COUPLINGS

ONE PUSH - CSI 06



Temperature - 15°C + 70°C	ID Passage 6 mm	Colour Black / Black	Flow rate at 6 bar DP 0,6 b = 833 l/min	Construction Composite	Pressure P.N. 12 bar	Safety	Use Pneumatic tools	Weight 37 g (coupling for 8 mm hose)
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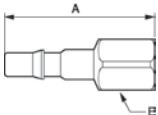
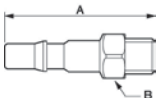
		A	B	C	D	E	DESCRIPTION		REFERENCE
Bulkhead coupler									
		70.5	27	29	32		G 1/4		CSI 062101
Female threaded double wall fastner - 2 couplings and drain - ISO C Profile - ID passage 6 mm									
		71	57	38	70	6,5	Female threaded inlet	Outlet: 2 couplings	CSI 068103WF
		71	57	38	70	6,5	G 1/2	2 CSI 06 couplings	
							G 3/4	2 CSI 06 couplings	CSI 068104WF

QUICK RELEASE ADAPTORS

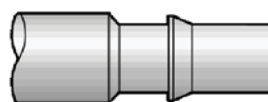
CRP 06



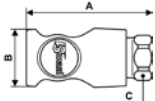
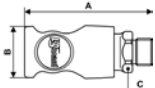
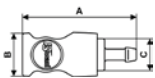
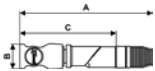
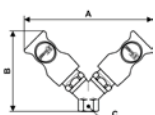
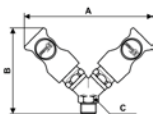
ID Passage 6 mm	Pressure P.N. 16 bar	Accuracy Precise dimensions	Construction High-quality steel
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		A	B	DESCRIPTION	REFERENCE
Female threaded adaptor					
		50	17	G 1/4	CRP 066101
		54	24	G 3/8	CRP 066102
Tapered thread male adaptor					
		48	14	G 1/4	CRP 066151
		52	17	G 3/8	CRP 066152
Hose-tail adaptor					
		62		Ø 6 mm	CRP 066806
		62		Ø 8 mm	CRP 066808
		62		Ø 10 mm	CRP 066810
		62		Ø 13 mm	CRP 066813

QUICK RELEASE SAFETY COUPLINGS ONE PUSH - CSI 08



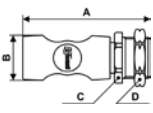
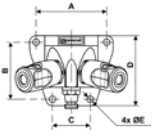
Temperature - 15° C + 70° C	ID Passage 8 mm	Flow rate at 6 bar DP 0,6 bar = 2028 l/min	Construction Composite	Pressure P.N. 12 bar	Safety avoids hose whip	Use Pneumatic tools	Colour Black / Black	Weight 57 g (Hose stem coupler Ø 8 mm)
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		A	B	C	D	E	DESCRIPTION	REFERENCE
Female thread coupler								
		67.5	32	23			G 1/4	CSI 081101
		67.5	32	23			G 3/8	CSI 081102
		75.5	32	26			G 1/2	CSI 081103
Parallel male thread coupler								
		75.5	32	23			G 1/4	CSI 081151
		76.5	32	23			G 3/8	CSI 081152
		78.5	32	26			G 1/2	CSI 081153
Hose stem coupler								
		81.5	32	23			Ø 8 mm	CSI 081808
		81.5	32	23			Ø 10 mm	CSI 081810
		86.5	32	28			Ø 13 mm	CSI 081813
		86.5	32	28			Ø 16 mm	CSI 081816
Threaded swivel coupler								
		169	32	123			G 3/8	CSI 081102SW
Female thread twin coupler								
		130	83	20			G 3/8	CSI 088102
		140	90	25			G 1/2	CSI 088103
Male thread twin coupling								
		135	90	20			G 3/8	CSI 088152
		140	95	25			G 1/2	CSI 088153

QUICK RELEASE SAFETY COUPLINGS ONE PUSH - CSI 08



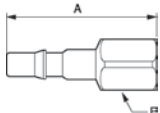
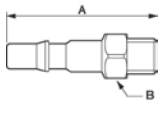
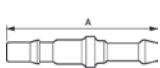
Temperature - 15° C + 70° C	ID Passage 8 mm	Flow rate at 6 bar DP 0,6 bar = 2028 l/min	Construction Composite	Pressure P.N. 12 bar	Safety avoids hose whip	Use Pneumatic tools	Colour Black / Black	Weight 57 g (Hose stem coupler Ø 8 mm)
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Bulkhead coupler									
		82	32	29	32		G 1/2		CSI 082103
Female threaded double wall fastner - 2 couplings and drain - ISO C Profile - ID passage 8 mm									
		71	57	38	70	6,5	Female threaded inlet	Outlet: 2 couplings	CSI 088103WF
		71	57	38	70	6,5	G 1/2	2 CSI 08 couplings	
							G 3/4	2 CSI 08 couplings	CSI 088104WF

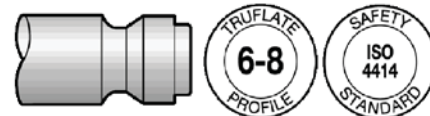
QUICK RELEASE ADAPTORS CRP 08



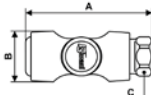
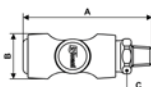
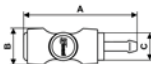
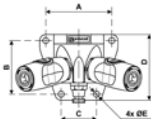
Construction High-quality steel	Hardness Abrasion-resistant	ID Passage 8 mm	Accuracy Precise dimensions	Pressure P.N. 16 bar
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		A	B	DESCRIPTION	REFERENCE
Female threaded adaptor					
		57	19	G 1/4	CRP 086101
		59	24	G 3/8	CRP 086102
		62	24	G 1/2	CRP 086103
Parallel thread male adaptor					
		55	19	G 1/4	CRP 086151
		56	16	G 3/8	CRP 086152
		60	24	G 1/2	CRP 086153
Hose-tail adaptor					
		66		Ø 6 mm	CRP 086806
		66		Ø 8 mm	CRP 086808
		66		Ø 10 mm	CRP 086810
		66		Ø 13 mm	CRP 086813
		70		Ø 16 mm	CRP 086816

QUICK RELEASE SAFETY COUPLINGS ONE PUSH - USI 06

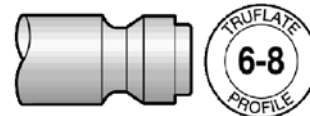


Safety	Temperature - 15°C + 70°C	Construction Composite	Use Pneumatic tools	ID Passage 6 mm	Pressure P.N. 12 bar	Weight 78 g (coupling for 6 mm hose)	Colour Black / Red	Flow rate at 6 bar 833 l/min - DP = 0,6 b
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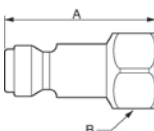
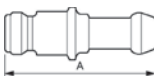
		A	B	C	D	E	DESCRIPTION	REFERENCE
Female thread coupler								
		71	30	20			NPT 1/4	USI 061201
		75	30	20			NPT 3/8	USI 061202
		82	30	23			NPT 1/2	USI 061203
Parallel male thread coupler								
		82	30	20			NPT 1/4	USI 061251
		82	30	20			NPT 3/8	USI 061252
		88	30	23			NPT 1/2	USI 061253
Hose stem coupler								
		86	30	19.4			Ø 8 mm	USI 061808
		86	30	19.4			Ø 10 mm	USI 061810
Threaded swivel coupler								
		175	30	128.3			NPT 3/8	USI 061202SW
Female threaded double wall fastner - 2 couplings and drain - Truflate Profile - ID passage 6 mm								
		71	57	38	70	6,5	Female threaded inlet Outlet: 2 couplings NPT 1/2 2 USI 06 couplers	USI 068203WF
		71	57	38	70	6,5	NPT 3/4 2 USI 06 couplers	USI 068204WF

QUICK RELEASE ADAPTORS

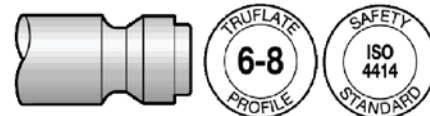
URP 06



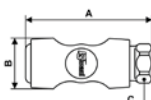
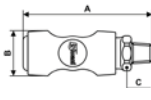
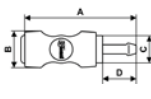
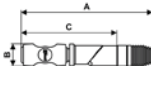
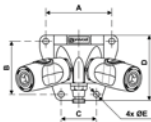
Hardness Abrasion-resistant	ID Passage 6 mm	Accuracy Precise dimensions	Pressure P.N. 16 bar	Construction Treated steel Corrosion- proof treatment
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		A	B	DESCRIPTION	REFERENCE
Female threaded adaptor					
		40	17	NPT 1/4	URP 066201
		42	21	NPT 3/8	URP 066202
		48	25	NPT 1/2	URP 066203
Tapered thread male adaptor					
				Teflon-coated thread	
		41	14	NPT 1/4	URP 066251
		48	25	NPT 3/8	URP 066252
		50	22	NPT 1/2	URP 066253
Hose tail coupling					
		52		Ø 6 mm	URP 066806
		53		Ø 10 mm	URP 066810

QUICK RELEASE SAFETY COUPLINGS ONE PUSH - USI 08

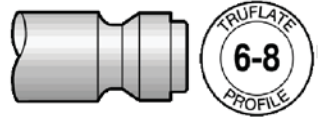


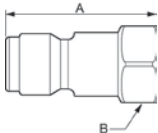
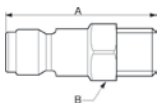
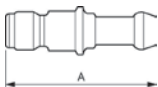
Safety	Temperature - 15°C + 70°C	Construction Composite	Use Pneumatic tools	ID Passage 8 mm	Pressure P.N. 12 bar	Colour Black / Red	Flow rate at 6 bar 2 028 l/min - DP = 0,6 b
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		A	B	C	D	E	DESCRIPTION	REFERENCE		
Female thread coupler										
		82.4	33	23			NPT 1/4	USI 081201		
		82.4	33	23			NPT 3/8	USI 081202		
		91.4	33	23			NPT 1/2	USI 081203		
Parallel male thread coupler										
		94.4	33	23			NPT 1/4	USI 081251		
		94.4	33	23			NPT 3/8	USI 081252		
		98.4	33	23			NPT 1/2	USI 081253		
Hose stem coupler										
		102.9	33	22.6			Ø 13 mm	USI 081813		
Threaded swivel coupler										
		184	33	139.2			NPT 3/8	USI 081202SW		
Female threaded double wall fastner - 2 couplings and drain - Truflate Profile - ID passage 8 mm										
		71	57	38	70	6,5	Female threaded inlet NPT 1/2 NPT 3/4	Outlet: 2 couplings 2 USI 08 couplers 2 USI 08 couplers	USI 088203WF USI 088204WF	

QUICK RELEASE ADAPTORS

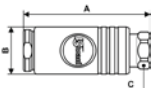
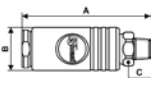
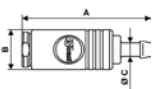
URP 08



Hardness Abrasion-resistant		ID Passage 8 mm		Accuracy Precise dimensions		Pressure P.N. 16 bar		Construction Treated steel Corrosion- proof treatment	
		A	B	DESCRIPTION				REFERENCE	
Female threaded adaptor									
		46	17	NPT 1/4				URP 086201	
		47	17	NPT 3/8				URP 086202	
		50	22	NPT 1/2				URP 086203	
Tapered thread male adaptor									
				Teflon-coated thread					
		46	17	NPT 1/4				URP 086251	
		47	17	NPT 3/8				URP 086252	
		50	22	NPT 1/2				URP 086253	
Hose tail adaptor									
		57		Ø 6 mm				URP 086806	
		60		Ø 10 mm				URP 086810	
		66		Ø 13 mm				URP 086813	

QUICK RELEASE SAFETY COUPLINGS ONE PUSH - USI 11

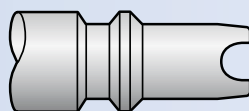
Safety	Temperature - 15°C + 70°C	Construction Steel	Use Pneumatic tools	ID Passage 10 mm	Pressure P.N. 16 bar	Colour Metal / Red button	Flow rate at 6 bar DP 0,6 b = 2 987 l/min
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		A	B	C	DESCRIPTION	REFERENCE
Female thread coupler						
NEW 		99,5	37	26	NPT 3/8	USI 111202
		102	37	26	NPT 1/2	USI 111203
		108	37	30	NPT 3/4	USI 111204
Parallel male thread coupler						
NEW 		112	37	26	NPT 3/8	USI 111252
		116	37	26	NPT 1/2	USI 111253
		118	37	30	NPT 3/4	USI 111254
Hose stem coupler						
NEW 		136,5	37	10	Ø 10 mm	USI 111810
		120,4	37	12,5	Ø 13 mm	USI 111813
		161,5	37	18,5	Ø 19 mm	USI 111819

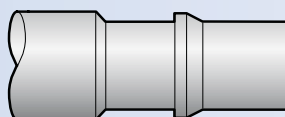
SAFETY QUICK COUPLINGS

THE PREVO S QUICK COUPLING PUTS SAFETY FIRST

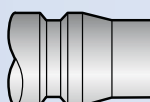
The technology used in quick couplings, associated with the treated steel adaptors, provides the optimum solution to keep compressed air supply totally under control.



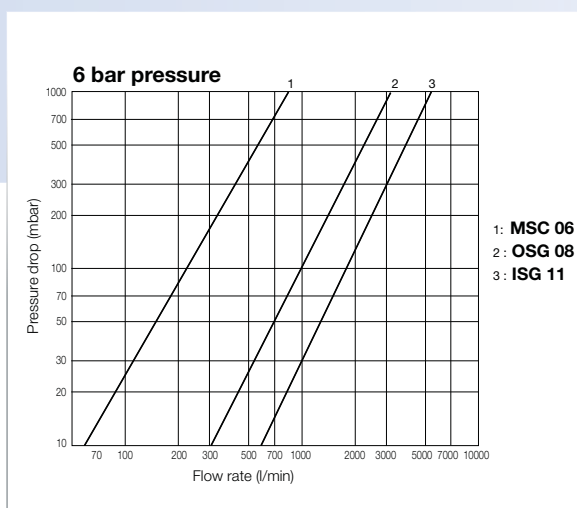
Spanish profile, Ø 6 mm



ISO 6150 B, Ø 11 mm



Asian profile, Ø 8 mm





TECHNOLOGY

► MSC:

- 1 - Press button once: instantaneous pressure relief
- 2 - Press button again: instant disconnection

► ISG - OSG:

- 1 - First push backwards: instantaneous pressure relief
- 2 - Second push forwards: instant disconnection

SAFETY

Safe connection and disconnection. The coupler automatically vents pressure before release. The mechanism prevents accidental hose whip.

ISO 4414

IDENTIFICATION

The couplers have a color code to allow immediate recognition of the coupler profile:

- **Ochre ring** : spanish profile
- **Blue ring** : 6150 ISO B profile
- **Grey ring** : asian profile

PREFECT CONNECTION

To give you the perfect connection, the plugs are made from treated steel with anticorrosion protection.

The male threads are tapered and precoated, to allow rapid assembly and complete sealing.

ANTI-STATIC

The couplers are anti-static.

This prevents dust from setting on work surfaces when lacquer or varnish is applied.

SCRATCH RESISTANCE

With its energy-absorbing composite body, the coupler removes any risk of scratching fragile surfaces (bodywork, furniture, and so on). It is light and scratch resistant.

SILICON FREE CONSTRUCTION

The couplers are manufactured without silicon, and this guarantees the user against the risk of flaws caused when paint is applied.

ROBUST

Coupler bodies are manufactured with extremely resistant shock-absorbing composite:

- resistant to abrasion
- shockproof
- crush resistant
- vibration resistant

LIGHT WEIGHT

Thanks to the latest technology and composite materials, the couplers are light. They allow the user to work precisely and without tiredness.

PERFORMANCE

Flow adapted to all air tools

Ø mm	Nominal flow rate at 6 bar $\Delta P = 10\%$	Maximum flow rate at 6 bar $\Delta P = 1 \text{ bar}$	Service pressure	Max. pressure	Temperature of use
Spanish profile - 6 mm	670 l/min	850 l/min	2 to 12 bar	16 bar	-15°C to +70°C
ISO B - 11 mm	4160 l/min	5167 l/min	2 to 12 bar	16 bar	-15°C to +70°C
Asian profile - 8 mm	1966 l/min	2500 l/min	2 to 12 bar	16 bar	-15°C to +80°C

QUICK RELEASE SAFETY COUPLINGS - MSC 06

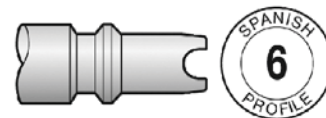


Colour Black / Ochre	Construction Composite	Pressure P.N. 12 bar	Flow rate at 6 bar DP 0,6 b = 670 l/min	Temperature - 15°C + 70°C	Use Pneumatic tools	ID Passage 6 mm
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		A	B	C	DESCRIPTION	REFERENCE
Female threaded coupling						
NEW 		81.5	28	23	G 1/4	MSC 061101
		89.5	28	23	G 3/8	MSC 061102
		92.5	28	23	G 1/2	MSC 061103
Parallel thread male coupling						
NEW 		89.5	28	23	G 1/4	MSC 061151
		91.5	28	23	G 1/2	MSC 061153
Hose tail coupling						
NEW 		105.5	28	23	Ø 8 mm	MSC 061808
		105.5	28	23	Ø 10 mm	MSC 061810

QUICK RELEASE ADAPTORS

MRP 06



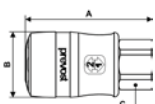
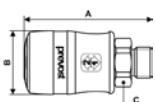
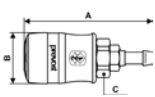
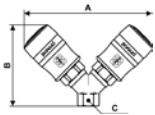
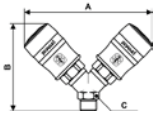
Pressure P.N. 16 bar	Accuracy Precise dimensions	ID Passage 6 mm	Construction Treated steel	Hardness Abrasion-resistant
Female threaded adaptor				
		G 1/4	MRP 066101	
Tapered thread male adaptor				
		G 1/4	MRP 066151	
Hose tail adaptor				
		Ø 8 mm	MRP 066808	
		Ø 10 mm	MRP 066810	

SAFETY QUICK COUPLINGS

ISG 11

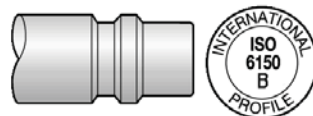


Flow rate at 6 bar DP 0,6 b = 4 160 l/min	ID Passage 11 mm	Safety	Pressure P.N. 12 bar Mini 2 bar	Temperature - 15°C + 70°C	Weight 150 gr	Construction Composite	Use Pneumatic tools	Colour Black / Blue
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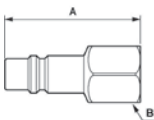
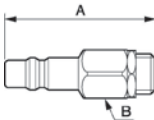
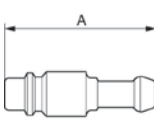
		A	B	C	DESCRIPTION	REFERENCE
Female threaded coupling						
		75.4	43	30	G 3/8	ISG 111102
		86	43	30	G 1/2	ISG 111103
		83.7	43	30	G 3/4	ISG 111104
Male threaded coupling						
		87	43	30	G 3/8	ISG 111152
		89	43	30	G 1/2	ISG 111153
		91	43	30	G 3/4	ISG 111154
Hose tail coupling						
		119	43	30	Ø 9 - 10 mm	ISG 111810
		109	43	30	Ø 13 mm	ISG 111813
		109	43	30	Ø 16 mm	ISG 111816
		156	43	30	Ø 19 mm	ISG 111819
Female threaded twin coupling						
		168	113	30	G 1/2	ISG 118103
		176	121	30	G 3/4	ISG 118104
Male threaded twin coupling						
		163	109	30	G 1/2	ISG 118153
		176	141	30	G 3/4	ISG 118154

QUICK RELEASE ADAPTORS

IRP 11



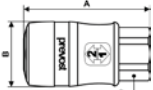
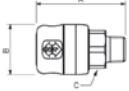
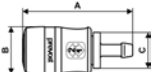
Hardness Abrasion-resistant Hardness : 650 Hv	ID Passage 11 mm	Accuracy Precise dimensions	Pressure 16 bar	Construction Treated steel
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		A	B	DESCRIPTION	REFERENCE
Female threaded adaptor					
		60	25	G 3/8	IRP 116102
		60	25	G 1/2	IRP 116103
Tapered thread male adaptor					
				Teflon coated threading	
		82	25	R 3/8 - Teflon-coated	IRP 116152
		84	25	R 1/2 - Teflon-coated	IRP 116153
Hose tail adaptor					
		65		Ø 9 - 10 mm	IRP 116810
		70		Ø 13 mm	IRP 116813
		69		Ø 16 mm	IRP 116816
		92		Ø 19 mm	IRP 116819

QUICK RELEASE SAFETY COUPLINGS - OSG 08

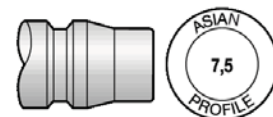


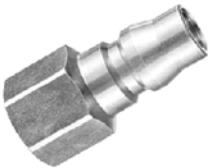
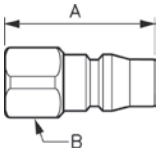
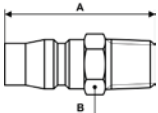
Weight 71 gr	ID Passage 7,5 mm	Colour Black / Grey	Pressure P.N. 12 bar	Safety	Temperature -15°C to +80°C	Construction Composite	Use Pneumatic tools	Flow rate at 6 bar DP 0,6 b = 1 966 l/min
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		A	B	C	DESCRIPTION	REFERENCE
Female threaded coupling						
		54	33	27	G 1/4 (parallel)	OSG 081101
		55	33	27	G 3/8 (parallel)	OSG 081102
		60	33	27	G 1/2 (parallel)	OSG 081103
		54	33	27	R 1/4 PT (tapered)	OSG 081111
		55	33	27	R 3/8 PT (tapered)	OSG 081112
		60	33	27	G 1/2 PT (tapered)	OSG 081113
Tapered thread male coupling						
					Teflon-coated threading	
		59	33	27	R 1/4 PT	OSG 081161
		59	33	27	R 3/8 PT	OSG 081162
		63	33	27	R 1/2 PT	OSG 081163
Hose tail coupling						
		72	33	27	Ø 8 mm	OSG 081808
		72	33	27	Ø 10 mm	OSG 081810
		77	33	27	Ø 13 mm	OSG 081813

QUICK RELEASE ADAPTORS

ORP 08

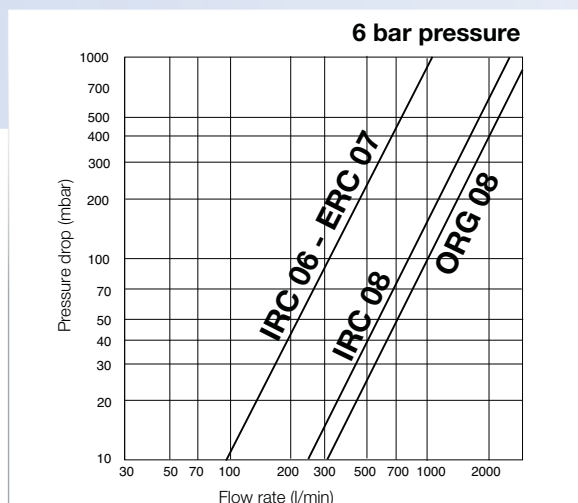


Construction Treated steel Corrosion- proof treatment	Hardness Abrasion-resistant	ID Passage 7,5 mm	Accuracy Precise dimensions	Pressure P.N. 16 bar	
		A	B	DESCRIPTION	REFERENCE
Female threaded adaptor					
		38	17	R 1/4 PT	ORP 086111
		38	21	R 3/8 PT	ORP 086112
Tapered thread male adaptor					
		42	14	R 1/4 PT - Teflon-coated	ORP 086161
		42	17	R 3/8 PT - Teflon-coated	ORP 086162
Hose tail adaptor					
		58	15	Ø 8 mm	ORP 086808
		58	15	Ø 10 mm	ORP 086810
		62	18	Ø 13 mm	ORP 086813

STANDARD QUICK COUPLINGS

PROLAC COUPLINGS, INTUITIVE TO USE

Prolac couplings are connected simply by pushing the adaptor into the coupling and disconnected instantaneously by pressing the button. Pushing a button to disconnect and cut off the supply is an intuitive action. A straightforward thumb movement makes Prolac couplings comfortable to work with. The special Acetal resin construction ensures that the couplings will not scratch bodywork.





RELIABLE

Single-piece composite construction.
The perfectly cylindrical singlepiece construction enables use in all work environments.

SAFE

No parts overhang outside the coupling, avoiding snagging and accidental disconnection.
The air circuit opens when the adaptor is in place.

LEAKTIGHT

When using a quick coupling with a Prevost adaptor, a perfect seal is guaranteed in three areas:

- ▶ Adaptor to O-ring
- ▶ Valve seal held in place on seat
- ▶ Solid seal in check chamber

ERGONOMICS

The IRC 06 couplings are designed to allow users ease of movement.
Their lightweight and compact construction optimises efficiency and ease of use.
Their resin body avoids scratching bodywork.

SWIVEL OPTION

The 360° free rotation ensures easy tool handling.
The swivel fitting eliminates all constraints on the hose (uncontrolled coiling and twisting).
Paint spray guns, pneumatic tools and precision work are all facilitated.

PROXI STAINLESS STEEL COUPLINGS

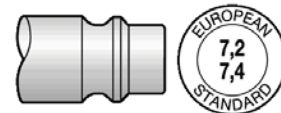
- ▶ External construction: composite material compatible with corrosive atmospheres*
- ▶ Internal construction: high resistance stainless steel*
 - Plug: 316 L stainless steel
- ▶ Fluids carried:
 - Compressed air in corrosive atmosphere
 - Cold water, hot water up to 60°C
 - Inert gases from -15°C to +60°C

(* Consult us for compatibility details)

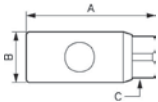
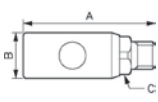
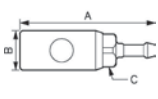
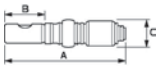
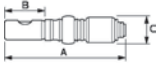
Recommandations for Prolac couplings on pneumatic tools

At 6 bar ΔP : 10%		IRC 06		IRC 08	
PNEUMATIC TOOLS	Tool weight (kg)	Instantaneous consumption (l/min at 6 bar)	Tool weight (kg)	Instantaneous consumption (l/min at 6 bar)	
Screwdriver	0.3 to 1.2	de 200 to 600			
Vibrating disc sander	1 to 2	de 300 to 450			
Disc cutter	0.25 to 1.6	de 120 to 700	2.5 to 5	de 1000 to 1600	
Angle grinder	0.5 to 1.5	de 300 to 800	1.6 to 3	de 850 to 1100	
Vertical grinder			0.25 to 5	de 1000 to 1600	
Vertical disc sander	0.5 to 1.9	de 350 to 800	2.5 to 6	de 1100 to 1500	
Pick hammer	1 to 2	de 180 to 500	4 to 7	de 1000 to 1600	
Drill	0.7 to 2.5	de 330 to 800	6 to 9	de 1300 to 1800	
Impact driver	1 to 4	de 300 to 400	6 to 15	de 800 to 1600	
Pneumatic pump		de 300 to 400			
Paint spray gun		de 300 to 400			
Spray gun		de 200 to 400			
IRC 06		833 l/min			
IRC 08				1950-1666 l/min	

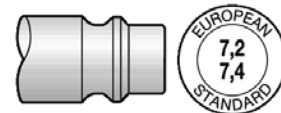
STANDARD QUICK COUPLINGS - ERC 07



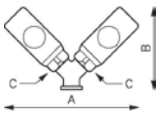
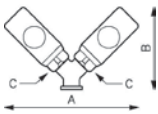
Use Paint	Flow rate at 6 bar DP 0.6b = 833 l/min	ID Passage 7.2 mm - 7.4 mm	Pressure P.N.12 bar	Temperature -15°C +70°C	Weight 83 gr	Construction Composite	Colour Blue / Green
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		A	B	C	DESCRIPTION	REFERENCE
Female threaded coupling						
		71.5	28	23	G 1/4	ERC 071101
		79.5	28	23	G 3/8	ERC 071102
		82.5	28	25	G 1/2	ERC 071103
Parallel thread male coupling						
		79.5	28	23	G 1/4	ERC 071151
		79.5	28	23	G 3/8	ERC 071152
		81.5	28	23	G 1/2	ERC 071153
Hose tail coupling						
		95.5	28	23	Ø 6 mm	ERC 071806
		95.5	28	23	Ø 8 mm	ERC 071808
		95.5	28	23	Ø 9 - 10 mm	ERC 071810
		100.5	28	23	Ø 13 mm	ERC 071813
Female threaded swivel coupling						
					Swivel coupling	
		175.2	58.5	40	G 1/4	ERC 071101FA
		175.2	58.5	40	G 3/8	ERC 071102FA
Hose tail swivel coupling						
					Swivel coupling	
		175.2	58.5	40	Ø 6-7 mm	ERC 071806FA
		175.2	58.5	40	Ø 8 mm	ERC 071808FA
		175.2	58.5	40	Ø 9 mm	ERC 071809FA
		175.2	58.5	40	Ø 9-10 mm	ERC 071810FA
		175.2	58.5	40	Ø 13 mm	ERC 071813FA

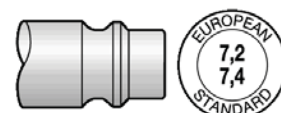
STANDARD QUICK COUPLINGS - ERC 07



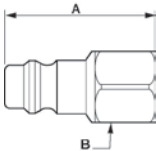
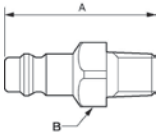
Use Paint	Flow rate at 6 bar DP 0.6b = 833 l/min	ID Passage 7.2 mm - 7.4 mm	Pressure P.N.12 bar	Temperature -15°C +70°C	Weight 83 gr	Construction Composite	Colour Blue / Green
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		A	B	C	DESCRIPTION	REFERENCE
Female threaded twin coupling						
		142	89	23	G 1/4	ERC 078101
		145	96	23	G 3/8	ERC 078102
		153	106	23	G 1/2	ERC 078103
Male threaded twin coupling						
		140	90	23	G 1/4	ERC 078151
		140	92	23	G 3/8	ERC 078152
		148	102	23	G 1/2	ERC 078153

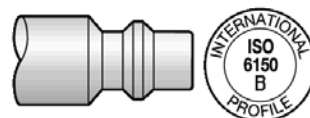
QUICK RELEASE ADAPTORS ERP 07



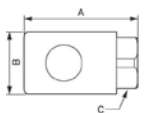
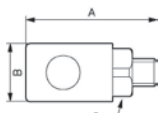
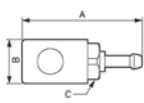
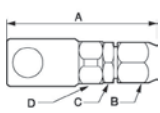
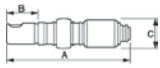
ID Passage 7,2 - 7,4 mm	Pressure P.N. 16 bar	Accuracy Precise dimensions	Hardness Abrasion-resistant	Construction Treated steel
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		A	B	DESCRIPTION	REFERENCE
Female threaded adaptor					
		40	15	G 1/4	ERP 076101
		41	21	G 3/8	ERP 076102
		44	27	G 1/2	ERP 076103
Tapered thread male adaptor					
				Teflon-coated threading	
		35.5	13	R 1/4 - Teflon-coated	ERP 076151
		41	17	R 3/8 - Teflon-coated	ERP 076152
		52	24	R 1/2 - Teflon coated	ERP 076153
Hose tail adaptor					
		44.5		Ø 6 mm	ERP 076806
		46		Ø 8 mm	ERP 076808
		54		Ø 9 mm	ERP 076809
		46		Ø 10 mm	ERP 076810
		51.5		Ø 13 mm	ERP 076813

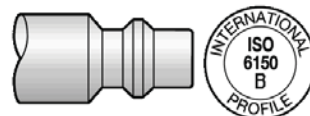
STANDARD QUICK COUPLINGS - IRC 06



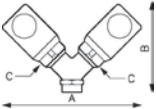
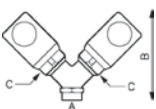
Flow rate at 6 bar DP 0.6b - 800 l/min	Weight 51 g (coupling for 10 mm hose)	ID Passage 6 mm	Pressure P.N. 12 bar	Temperature - 15°C + 70°C	Construction Composite	Colour Blue / Metal
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		A	B	C	D	DESCRIPTION	REFERENCE
Female threaded coupling							
		54	28	23		G 1/4	IRC 061101
		62	28	23		G 3/8	IRC 061102
		65	28	25		G 1/2	IRC 061103
Parallel thread male coupling							
		62	28	23		G 1/4	IRC 061151
		62	28	23		G 3/8	IRC 061152
		64	28	23		G 1/2	IRC 061153
Hose tail coupling							
		78	28	23		Ø 6 mm	IRC 061806
		78	28	23		Ø 8 mm	IRC 061808
		78	28	23		Ø 9 - 10 mm	IRC 061810
		78	28	23		Ø 13 mm	IRC 061813
Capped hose coupling							
		80	19	17	23	Ø 6 x 12 mm - Ø 6 x 11 mm	IRC 061806CO
		83	22	22	23	Ø 8 x 14 mm - Ø 8 x 13 mm	IRC 061808CO
		83	24	22	23	Ø 9 x 15 mm - Ø 9 x 14 mm	IRC 061809CO
		83	24	22	23	Ø 10 x 16 mm - Ø 10 x 15 mm	IRC 061810CO
Female threaded swivel coupling							
		157.7	41	40		Swivel coupling G 1/4	IRC 061101FA
		157.7	41	40		G 3/8	IRC 061102FA
Swivel hose coupling							
		157.7	41	40		Swivel coupling Ø 6-7 mm	IRC 061806FA
		157.7	41	40		Ø 8 mm	IRC 061808FA
		157.7	41	40		Ø 9 - 10 mm	IRC 061810FA
		157.7	41	40		Ø 13 mm	IRC 061813FA

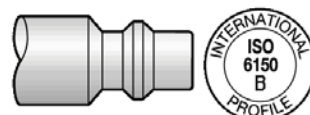
STANDARD QUICK COUPLINGS - IRC 06



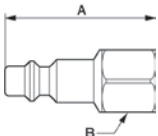
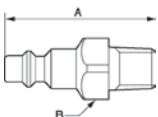
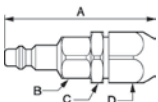
Flow rate at 6 bar DP 0.6b - 800 l/min	Weight 51 g (coupling for 10 mm hose)	ID Passage 6 mm	Pressure P.N. 12 bar	Temperature - 15°C + 70°C	Construction Composite	Colour Blue / Metal
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		A	B	C	D	DESCRIPTION	REFERENCE
Female threaded twin coupling							
		116	77	23		G 1/4	IRC 068101
		120	82	23		G 3/8	IRC 068102
		128	93	23		G 1/2	IRC 068103
Male threaded twin coupling							
		114	77	23		G 1/4	IRC 068151
		115	80	23		G 3/8	IRC 068152
		123	90	23		G 1/2	IRC 068153

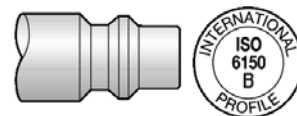
QUICK RELEASE ADAPTORS IRP 06



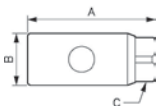
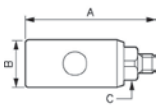
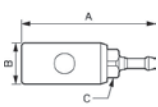
ID Passage 6 mm	Pressure P.N. 16 bar	Accuracy Precise dimensions	Construction Treated steel Corrosion- proof treatment	Hardness Abrasion-resistant
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		A	B	C	D	DESCRIPTION	REFERENCE
Female threaded adaptor							
		40.5	15			G 1/4	IRP 066101
		43	14			G 1/4 with sealing cone	IRP 066101AE
		45	21			G 3/8	IRP 066102
		34	14			Michelin thread (0.8).For use with tyre inflators	IRP 066310
		44	17			Devilbiss - 9/16" thread - 20 threads per inch	IRP 066315
		41	17			1/4 NPS M	IRP 066301
		43	14			14/125 with sealing cone	IRP 066314
Tapered thread male adaptor							
						Teflon-coated thread	
		39.5	13			R 1/4 - Teflon-coated	IRP 066151
		42	17			R 3/8 - Teflon-coated	IRP 066152
		43	17			14/125 - parallel	IRP 066354
Hose tail adaptor							
		49				Ø 6 - 7 mm	IRP 066806
		50				Ø 8 mm	IRP 066808
		50				Ø 9 - 10 mm	IRP 066810
		85				Ø 13 mm	IRP 066813
Capped hose tail adaptor							
		76	17	17	19	Ø 6 x 12 mm - Ø 6 x 11 mm	IRP 066806CO
		79	17	22	24	Ø 8 x 14 mm - Ø 8 x 13 mm	IRP 066808CO
		79	17	22	24	Ø 9 x 15 mm - Ø 9 x 14 mm	IRP 066809CO
		79	17	22	24	Ø 10 x 16 mm - Ø 10 x 15 mm	IRP 066810CO

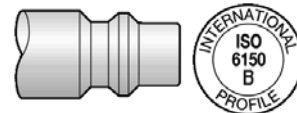
STANDARD QUICK COUPLINGS - IRC 08



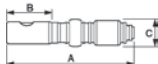
Flow rate at 6 bar DP 0.6b = 1950 l/min	ID Passage 8 mm	Use Pneumatic power tools	Pressure P.N. 12 bar	Temperature - 15°C + 70°C	Weight 121 g (coupling for Ø 13 mm hose)	Construction Composite	Colour Blue / Blue
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		A	B	C	DESCRIPTION	REFERENCE
Female threaded coupling						
		83.5	33	25	G 1/4	IRC 081101
		84.5	33	25	G 3/8	IRC 081102
		93.5	33	25	G 1/2	IRC 081103
Parallel thread male coupling						
		90.5	33	25	G 1/4	IRC 081151
		91.5	33	25	G 3/8	IRC 081152
		93.5	33	25	G 1/2	IRC 081153
Hose tail coupling						
		104.5	33	25	Ø 8 mm	IRC 081808
		104.5	33	25	Ø 9 - 10 mm	IRC 081810
		109.5	33	25	Ø 13 mm	IRC 081813
		109.5	33	25	Ø 16 mm	IRC 081816

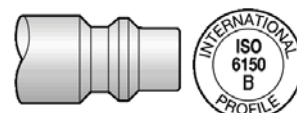
STANDARD QUICK COUPLINGS - IRC 08



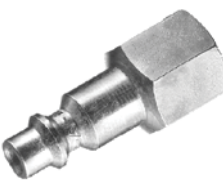
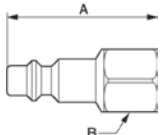
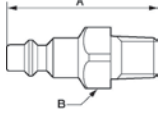
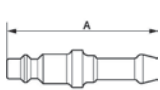
Flow rate at 6 bar DP 0.6b = 1950 l/min	ID Passage 8 mm	Use Pneumatic power tools	Pressure P.N. 12 bar	Temperature - 15°C + 70°C	Weight 121 g (coupling for Ø 13 mm hose)	Construction Composite	Colour Blue / Blue
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		A	B	C	DESCRIPTION	REFERENCE
Female threaded swivel coupling						
					Swivel coupling	
		185.2	68.5	40	G 1/4	IRC 081101FA
		185.2	68.5	40	G 3/8	IRC 081102FA
Hose tail swivel coupling						
					Swivel coupling	
		185.2	68.5	40	Ø 8 mm	IRC 081808FA
		185.2	68.5	40	Ø 10 mm	IRC 081810FA
		185.2	68.5	40	Ø 13 mm	IRC 081813FA

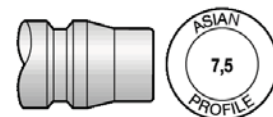
QUICK RELEASE ADAPTORS IRP 08



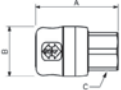
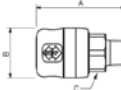
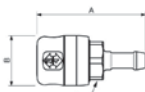
Hardness Abrasion-resistant	ID Passage 8 mm	Accuracy Precise dimensions	Pressure 16 bar	Construction Treated steel Corrosion- proof treatment
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		A	B	DESCRIPTION	REFERENCE
Female threaded adaptor					
		45	17	G 1/4	IRP 086101
		49	21	G 3/8	IRP 086102
		53	28	G 1/2	IRP 086103
Tapered thread male adaptor					
				Teflon-coated thread	
		44.5	17	R 1/4 - Teflon-coated	IRP 086151
		44.5	17	R 3/8 - Teflon-coated	IRP 086152
		55	22	R 1/2 - Teflon-coated	IRP 086153
Hose tail adaptor					
		62		Ø 8 mm	IRP 086808
		53.5		Ø 9 - 10 mm	IRP 086810
		59		Ø 13 mm	IRP 086813
		60		Ø 16 mm	IRP 086816

STANDARD QUICK COUPLINGS - ORG 08

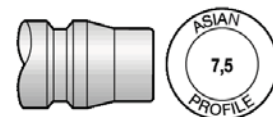


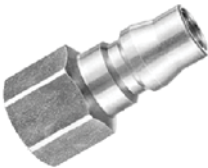
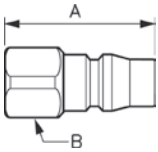
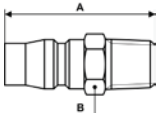
Weight 70 gr	ID Passage 7,5 mm	Pressure P.N. 12 bar	Temperature -15°C to +80°C	Construction Composite	Use Pneumatic tools	Colour Grey / Grey	Flow rate at 6 bar DP 0,6 b = 1 966 l/min
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		A	B	C	DESCRIPTION	REFERENCE
Female threaded coupling						
		54	33	27	G 1/4 (parallel)	ORG 081101
		55	33	27	G 3/8 (parallel)	ORG 081102
		60	33	27	G 1/2 (parallel)	ORG 081103
		54	33	27	G 1/4 PT (tapered)	ORG 081111
		55	33	27	G 3/8 PT (tapered)	ORG 081112
		60	33	27	G 1/2 PT (tapered)	ORG 081113
Tapered thread male coupling						
					Teflon-coated threading	
		59	33	27	R 1/4 PT	ORG 081161
		59	33	27	R 3/8 PT	ORG 081162
		63	33	27	R 1/2 PT	ORG 081163
Hose tail coupling						
		72	33	27	Ø 8 mm	ORG 081808
		72	33	27	Ø 10 mm	ORG 081810
		77	33	27	Ø 13 mm	ORG 081813

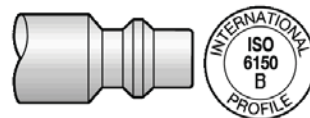
QUICK RELEASE ADAPTORS

ORP 08

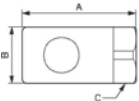
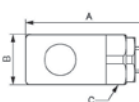
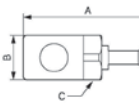
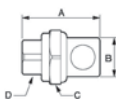


Construction Treated steel Corrosion- proof treatment		Hardness Abrasion-resistant		ID Passage 7,5 mm	Accuracy Precise dimensions	Pressure P.N. 16 bar
		A	B	DESCRIPTION		REFERENCE
Female threaded adaptor						
		38	17	R 1/4 PT		ORP 086111
		38	21	R 3/8 PT		ORP 086112
Tapered thread male adaptor						
		42	14	R 1/4 PT - Teflon-coated		ORP 086161
		42	17	R 3/8 PT - Teflon-coated		ORP 086162
Hose tail adaptor						
		58	15	Ø 8 mm		ORP 086808
		58	15	Ø 10 mm		ORP 086810
		62	18	Ø 13 mm		ORP 086813

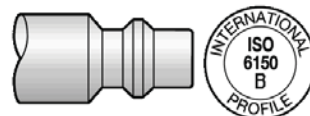
STANDARD METAL QUICK COUPLINGS IRM 06



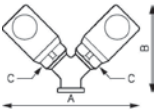
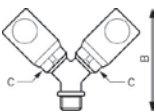
Flow rate at 6 bar DP 0,6b = 750 l/min	ID Passage 6 mm	Robust	Pressure P.N. 16 bar	Temperature -15°C +70°C	Construction Heat-treated steel	Use Pneumatic power tools	Colour Metal
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		A	B	C	D	DESCRIPTION	REFERENCE
Female threaded coupling							
		52.5	26	23		G 1/4	IRM 061101
		60.5	26	23		G 3/8	IRM 061102
		83.5	26	25		G 1/2	IRM 061103
		54.5	26	23		14/125	IRM 061314
Parallel thread male coupling							
		60.5	26	23		G 1/4	IRM 061151
		60.5	26	23		G 3/8	IRM 061152
		62.5	26	23		G 1/2	IRM 061153
Hose tail coupling							
		76.5	26	23		Ø 6-7 mm	IRM 061806
		76.5	26	23		Ø 8 mm	IRM 061808
		76.5	26	23		Ø 9 -10 mm	IRM 061810
		81.5	26	23		Ø 13 mm	IRM 061813
Bulkhead fitting							
		52.5	26	32	23	Female threaded G 1/4 Ø bore on panel : 27 mm Panel thickness : 2 to 11 mm maxi	IRM 062101

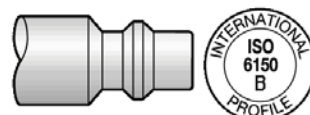
STANDARD METAL QUICK COUPLINGS IRM 06



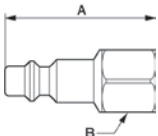
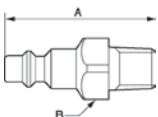
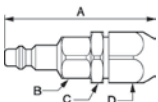
Flow rate at 6 bar DP 0,6b = 750 l/min	ID Passage 6 mm	Robust	Pressure P.N. 16 bar	Temperature -15°C +70°C	Construction Heat-treated steel	Use Pneumatic power tools	Colour Metal
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		A	B	C	D	DESCRIPTION	REFERENCE
Female threaded twin coupling							
		112	75	23		G 1/4	IRM 068101
		117.5	82	23		G 3/8	IRM 068102
		125.5	92	23		G 1/2	IRM 068103
Male thread twin coupling							
		111.5	76	23		G 1/4	IRM 068151
		112.5	78	23		G 3/8	IRM 068152
		120	88	23		G 1/2	IRM 068153

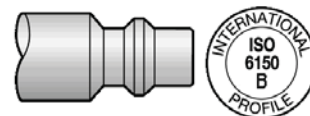
QUICK RELEASE ADAPTORS IRP 06



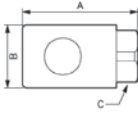
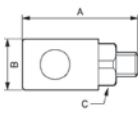
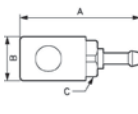
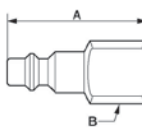
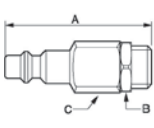
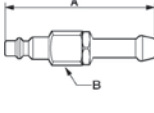
ID Passage 6 mm	Pressure P.N. 16 bar	Accuracy Precise dimensions	Construction Treated steel Corrosion- proof treatment	Hardness Abrasion-resistant
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		A	B	C	D	DESCRIPTION	REFERENCE
Female threaded adaptor							
		40.5	15			G 1/4	IRP 066101
		43	14			G 1/4 with sealing cone	IRP 066101AE
		45	21			G 3/8	IRP 066102
		34	14			Michelin thread (0.8).For use with tyre inflators	IRP 066310
		44	17			Devilbiss - 9/16" thread - 20 threads per inch	IRP 066315
		41	17			1/4 NPS M	IRP 066301
		43	14			14/125 with sealing cone	IRP 066314
Tapered thread male adaptor							
						Teflon-coated thread	
		39.5	13			R 1/4 - Teflon-coated	IRP 066151
		42	17			R 3/8 - Teflon-coated	IRP 066152
		43	17			14/125 - parallel	IRP 066354
Hose tail adaptor							
		49				Ø 6 - 7 mm	IRP 066806
		50				Ø 8 mm	IRP 066808
		50				Ø 9 - 10 mm	IRP 066810
		85				Ø 13 mm	IRP 066813
Capped hose tail adaptor							
		76	17	17	19	Ø 6 x 12 mm - Ø 6 x 11 mm	IRP 066806CO
		79	17	22	24	Ø 8 x 14 mm - Ø 8 x 13 mm	IRP 066808CO
		79	17	22	24	Ø 9 x 15 mm - Ø 9 x 14 mm	IRP 066809CO
		79	17	22	24	Ø 10 x 16 mm - Ø 10 x 15 mm	IRP 066810CO

STANDARD S/STEEL QUICK COUPLINGS - PROXI 06



Food processing pharmaceuticals Compressed air, food applications	Corrosion- proof treatment Corrosive environment	ID Passage 6 mm	Pressure P.N. 12 bar	Temperature -15°C to + 60°C	Construction Composite body + stainless steel	Construction Stainless steel adaptor	Flow rate at 6 bar DP 0,6b = 800 l/min
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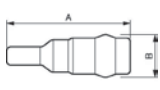
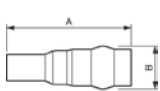
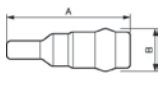
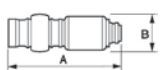
		A	B	C	DESCRIPTION	REFERENCE
Female threaded coupling						
		54	28	23	G 1/4	PROXI 061101
		62	28	23	G 3/8	PROXI 061102
		65	28	25	G 1/2	PROXI 061103
Parallel thread male coupling						
		62	28	23	G 1/4	PROXI 061151
		62	28	23	G 3/8	PROXI 061152
		64	28	23	G 1/2	PROXI 061153
Hose tail adaptor						
		78	28	23	Ø 6-7 mm	PROXI 061806
		78	28	23	Ø 8 mm	PROXI 061808
		78	28	23	Ø 9 - 10 mm	PROXI 061810
Female threaded adaptor						
		40	17		G 1/4	PROXI 066101
Tapered thread male adaptor						
		65	17	16	R 1/4	PROXI 066151
		65	17	20	R 3/8	PROXI 066152
Hose tail adaptor						
		69	17		Ø 6-7 mm	PROXI 066806
		69	17		Ø 8 mm	PROXI 066808
		69	17		Ø 9-10 mm	PROXI 066810

COUPLINGS AND ADAPTORS KIT

Packaging in plastic box	Connection Safety quick couplings	Use Industry	Use Bodywork	Application Automotive
Safety coupling and adaptor kit		DESCRIPTION	REFERENCE	
		Kit includes : 2 G 1/4 BSP female threaded quick couplings - ISI 061101 2 G 1/4 BSP female adaptors - IRP 066101 1 G 1/4 BSP female adaptor with sealing cone - IRP 066101AE 2 R 1/4 BSP male adaptors - IRP 066151 2 adaptors for ID 8 mm hoses - IRP 066808 2 G 1/4 BSP male threaded joiners for ID 8 mm tubes - JFT 1408 2 ear clamps- 1315 2 ear clamps - 1517		
		Box with couplings and plugs ISO B profile	BR 600IS	
Coupling and adaptor kit		DESCRIPTION	REFERENCE	
		Kit includes : 1 blow gun - STL 101 2 G 1/4 BSP female threaded quick couplings - ISI 061101 2 G 1/4 BSP female adaptors - IRP 066101 2 R 1/4 BSP male adaptors - IRP 066151 2 adaptors for ID 8 mm hoses - IRP 066808 2 G 1/4 BSP male threaded joiners for ID 8 mm tubes - JFT 1408 1 G 1/4 BSP male x G 1/4 BSP male union - A2 1414		
		With 2 safety couplings ISI 06	BR 501IS	
Safety coupling and adaptor kit		DESCRIPTION	REFERENCE	
		Box includes: - 1 swivel quick coupling - 3 adaptor for quick couplings - 1 pocket blow gun with an adaptor - 1 hose tail for Ø 10 mm ID hose - 2 ear clamps		
		Kit with coupling, connection accessories and blow gun - ISO 6150 B profile	BTE ISW	
		Kit with coupling, connection accessories and blow gun - 7,2 - 7,4 European profile	BTE ESW	

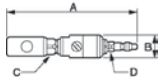
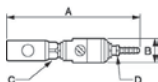
QUICK-COUPLING PROTECTORS

Temperature 0°C +70°C	Construction Polyurethane and rubber	Non-scratch	Ergonomic
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		A	B	DESCRIPTION	REFERENCE
NSB protectors for Ø 6 mm couplings - For OD 14-16 mm hoses					
				For ISI 06 - IRC - IRM 06; CSC - CRC 06; ESI - ERC 07; BSI-BSC 06; ASC - ARC 06; USC - URC 06; MSC 06; Proxi 06	
		96	35	Yellow	NSB 06J
		96	35	Red	NSB 06R
		96	35	Green	NSB 06V
		96	35	Blue	NSB 06B
NSB protectors for Ø 6 mm couplings - For OD 17-19 mm hoses					
				For ISI 06 - IRC - IRM 06; CSC - CRC 06; ESI - ERC 07; BSI-BSC 06; ASC - ARC 06; USC - URC 06; MSC 06; Proxi 06	
		96	35	Yellow	NSB 0617J
		96	35	Red	NSB 0617R
		96	35	Green	NSB 0617V
		96	35	Blue	NSB 0617B
NSB protectors for Ø 8 mm couplings - For OD 10 to 19 mm hoses					
				For ISC 08, IRC 08, CSC 08, CRC 08, CSM 08, ESI 07	
		118	35	Black	NSB 08N
Rubber protector on swivel coupling					
		118	40	Rubber protector on swivel coupling FA	NSB FA

QUICK COUPLINGS WITH INLINE OILER

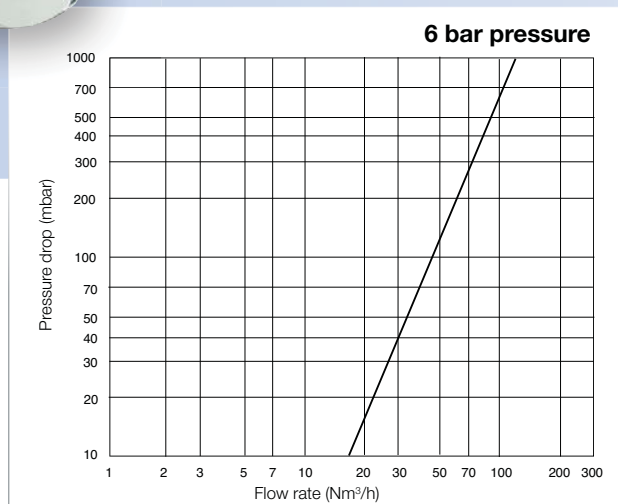
Construction Aluminium body Polycarbonate bowl	Temperature 0°C to 60°C	Lubrication Oil mist	Capacity 12 cm ³	3,000 uses	Flow rate 1400 l/min Lub'Air only	Pressure 12 bar	Installation right or left
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		A	B	C	D	DESCRIPTION	REFERENCE
Sealed LUB'Air assembly with several profiles							
		151	33	23	14	IRC 06	LUBAIR 6000
		163	33	23	14	ERC 07	LUBAIR 7000
		183	33	25	17	IRC 08	LUBAIR 8000
		68	33	19	-	Inline oiler	LUBAIR 14F
Lub'Air assembly for hoses							
		154	33	23	14	For Ø 6 mm hoses with IRC 06	LUBAIR 63806
		154	33	23	14	For Ø 8 mm hoses with IRC 06	LUBAIR 63808
		169	33	23	14	For Ø 9 mm hoses with ERC 07	LUBAIR 73809
		154	33	23	17	For Ø 10 mm hoses with IRC 06	LUBAIR 63810

breathable air

BREATHABLE AIR COUPLINGS AND HOSES

FLEXIBILITY AND SAFETY



TECHNICAL CHARACTERISTICS

- Internal diameter in mm: 7.4
- Cross-section in mm: 40.6
- Flow rate at 6 bar ΔP 1 bar: 106.5 Nm³/h
- Max. service pressure at 20°C: 10 bar
- Weight in grams: 115 g
- Operating temperature: - 20 to +60°C
- Consult us for other conditions

> COUPLING MATERIAL

- Body: chrome-plated brass
- Locking ring: chrome-plated steel
- Spring and balls: stainless steel
- Gasket: NBR
- Pressure release valve: chrome-plated brass

> ADAPTOR MATERIAL

- High resistance stainless steel



SAFETY

Disconnection safety: accidental disconnection is impossible. The adaptor can only be disconnected by simultaneously pushing in the adaptor and moving the connector ring axially.

STANDARD CONNECTION

Connect by simply pushing the adaptor into the coupling. BAC couplings are compatible with most couplings used for breathable air. This profile is installed on the majority of personal protection equipment.

PERFORMANCE

The ID passage diameter of 7.4 mm corresponds to the flow rates required for breathable air applications. **Silicone-free foodgrade lubricants** are used during assembly of the couplings.

GUARANTEED LEAKTIGHTNESS

The technology used, the accurate dimensions and precise mechanical adjustment ensure that the Prevost BAC quick coupling and Prevost BAP adapter are perfectly leaktight. A 60° sealing taper inside the cylindrical male BSP gas threads on the couplings and adaptors ensures a perfect fit with Prevost BAH hoses, without requiring the use of any sealants.

EASY HANDLING

The hoses are flexible and light, allowing operators to move around freely.

The tight radius of curvature simplifies working even in particularly confined conditions.

HOSE STRENGTH

- Excellent crush resistance
- Very good abrasion resistance

STRONG CONNECTIONS

Tight connections to protection equipment. No risk of accidental disconnection. In compliance with **EN 14594 standard**.

PACKAGING

Couplings and adapters are fitted with disposable protective caps to protect against dust. Hoses are protected in individual bags.

TECHNICAL CHARACTERISTICS OF HOSE

- > PVC hose comprising 2 layers of PVC and a fabric braid
 - Black PVC inner tube with anti-static function
 - Heavy-duty fabric braid
 - Smooth single-coat PVC outer sheath
 - Blue colour (RAL 5015)
- > Complies with European standard EN 14594
- > Anti-static – Electrical resistance > 103 Ω and < 108 Ω
- > Heat-resistant
- > Operating temperature: -20°C to + 60°C
- > May be treated for decontamination
- > Silicone-free

Hose labelled with year and day of manufacture

Crimp sleeves labelled with year and week of manufacture

Equipped hoses, ready for use

Hoses with crimped unions and swivel nuts, fitted with BAC coupling and BAP adaptor

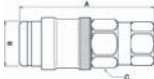
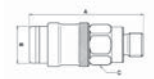
Complete assembly in accordance with standard EN 14594, comprising:

- > 1 length of anti-static hose
- > two 316 L stainless steel crimped unions with 316 L stainless steel swivel nut
 - tapping with 60° sealing taper
 - G 1/4 and G 3/8 female cylindrical BSP couplings
- > 1 BAP 07 adaptor
- > 1 BAC 07 sleeve

Hose with crimped unions and swivel nuts
Complete assembly in accordance with standard EN 14594, comprising:

- > 1 length of anti-static hose
- > two 316 L stainless steel crimped unions with 316 L stainless steel swivel nuts
 - tapping with 60° sealing taper (join without sealing product)
 - G 1/4 and G 3/8 female BSP couplings

BAC 07 BREATHING AIR COUPLINGS

Flow rate DP 1 bar : 106,5 Nm3/h	Weight 115 gr	Pressure Max. 10 bar			Diameter 7,4 mm	Temperature -20 to +60 °C	Construction Chrome-plated brass
		A	B	C	DESCRIPTION		REFERENCE
Female thread coupling							
		65	21	20	G 1/4		BAC 071101
Long-profile threaded coupling							
		62	21	20	G 1/4		BAC 071151
		62	21	20	G 3/8		BAC 071152
Long-profile threaded adaptor							
		41	17		G 1/4		BAP 076151
		42	19		G 3/8		BAP 076152
Optional protective cap							
					For BAC coupling		BAC 07CA
Optional protective cap							
					For BAP adaptors		BAP 07CA
Spare parts							
					Seal for BAC 071151 coupling		KES 0191101

BREATHING AIR CONNECTION HOSES - BAH

Temperature -20 to +60 °C		Construction Dual layer PVC with textile braid				Construction Decontaminatable Silicone-free		
		Diameter ID / OD in mm	Length in meter	Weight g/m	Pressure max in bar	Female thread BSP Gas	Bend radius at 20°C	REFERENCE
Hoses with couplings and adaptors								
		10 x 16	2	160	10	-	40	BAH 1002CP
		10 x 16	10	160	10	-	40	BAH 1010CP
		10 x 16	15	160	10	-	40	BAH 1015CP
		10 x 16	20	160	10	-	40	BAH 1020CP
Hoses with swaged ferrules								
		10 x 16	10	160	10	G 3/8	20	BAH 1010
		10 x 16	15	160	10	G 3/8	40	BAH 1015
		10 x 16	20	160	10	G 3/8	40	BAH 1020

AN EXTENSIVE HIGH-PERFORMANCE RANGE

- ▶ Polymer range: lightweight push-in fittings, tough and easy to install
- ▶ Micro Conex range: compact push-in fittings
- ▶ Metal range
- ▶ Stainless range

INSTALLATION

- ▶ Safe, easy installation
- ▶ Interior and exterior hex flange
- ▶ Tapered or parallel thread with gasket
- ▶ Swivel body on polymer range

CONNECTION

- ▶ Easy to connect
- ▶ Connect by simply pushing the tube into the coupling

DISCONNECTION

- ▶ Easy handling
- ▶ Disconnection by pressing the disconnection bush, which pushes the lugs and frees the tube from the coupling
- ▶ Responsive self-positioning ring system

IMMEDIATE SEAL

- ▶ Teflon-coated tapered thread
- ▶ NBR gasket in bottom of groove on cylindrical thread

TUBE RETENTION

- ▶ Excellent grip of tube in coupling
- ▶ Stainless steel prongs
- ▶ Excellent grip on outside of tube

RESISTANCE

- ▶ Vibration resistance
- ▶ Excellent connection, even in particularly difficult conditions (vibrations, alignment problems)



Easy to use

For easier installation, all straight fittings may be added using an Allen wrench



90° swivel male extender elbow

Optimised elbow outlets
Centre elbow connections



Positioning system with alignment eyelet

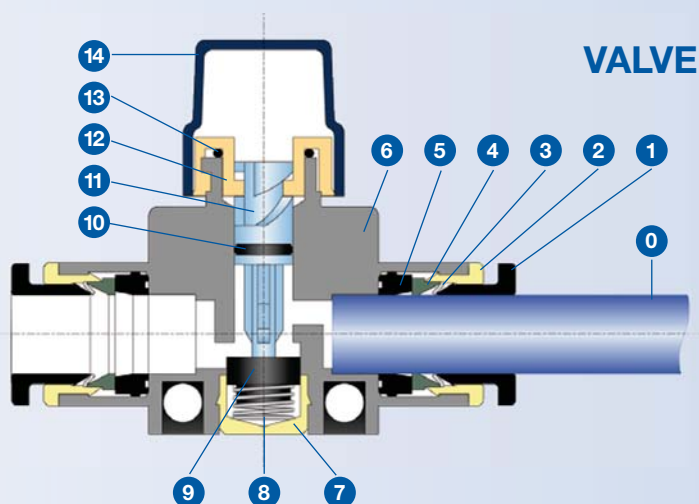


TECHNICAL CHARACTERISTICS

> Type of fluid	Compressed air	
> Service pressure	0 to 10 bar	0 to 150 PSI
> Service temperature	0 to 60°C	32 to 140°F
> Recommended tubing	Polyurethane and Polyamide	

SPÉCIFICATIONS

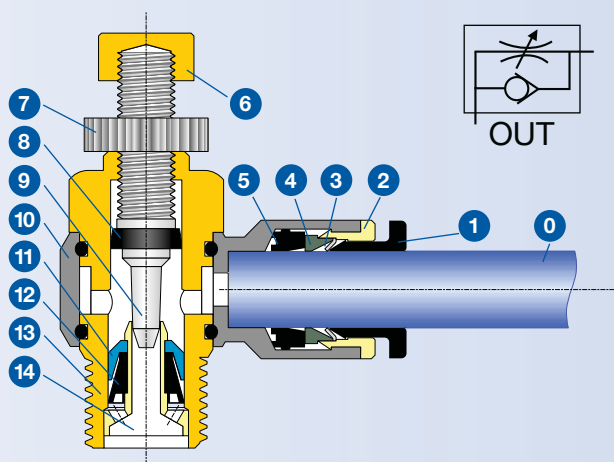
> British Taper Pipe Thread	BSP	R 1/8 to R 1/2
> British Parallel Pipe Thread	BSP	G 1/8 to G 1/2
> NPT tapered thread	NPT	1/8 to 1/2
> Metric Parallel Thread	UNF	10 - 32
> Metric Parallel Thread	Metric	M3 and M5



- 0 Tube
- 1 Release collar
- 2 Metal liner
- 3 Stainless steel teeth
- 4 Tube stop
- 5 Lip seal
- 6 Polymer body
- 7 Seat

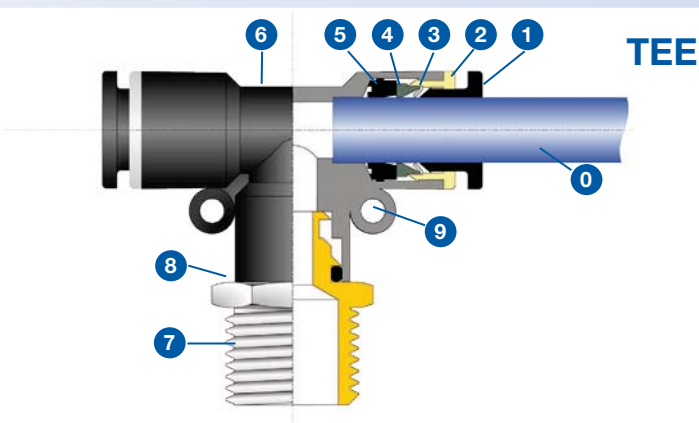
- 8 Spring
- 9 Flat flanged gasket
- 10 O-ring
- 11 Opening/closing plug with liner for venting
- 12 Nozzle nut
- 13 O-ring
- 14 Valve bonnet

REGULATOR



- 0 Tube
- 1 Release collar
- 2 Metal liner
- 3 Stainless steel teeth
- 4 Tube stop
- 5 Lip seal
- 6 Adjusting knob
- 7 Blocking screw

- 8 Lip seal
- 9 Needle
- 10 Polymer body
- 11 Stop
- 12 Lip seal
- 13 Sealing coated thread
- 14 Nozzle



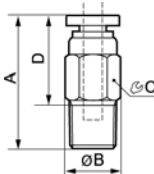
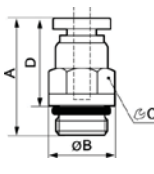
- 0 Tube
- 1 Release collar
- 2 Metal liner
- 3 Stainless steel teeth
- 4 Tube stop
- 5 Lip seal

- 6 Polymer body
- 7 Teflon®-coated parallel thread with seal at groove bottom
- 8 Swivel body
- 9 Fastening eyelets

CONEX PUSH-IN FITTINGS

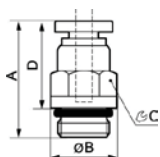
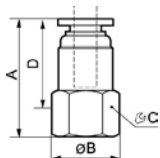
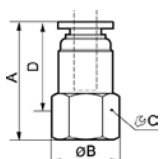
ADJUSTABLE STUD COUPLINGS

Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with seal	Sealing Precoated tapered male thread
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Tapered male straight adaptor - RPD MR									
							Body construction: Nickel-plated brass Tube Ø OD BSP Gas thread		
		21	11.5	10	13.5		4 mm	R 1/8	RPD MR0400
		20	16	14	11		4 mm	R 1/4	RPD MR0401
		22	14	12	14.5		5 mm	R 1/8	RPD MR0500
		21	16	14	12		5 mm	R 1/4	RPD MR0501
		23	19.5	17	12		5 mm	R 3/8	RPD MR0502
		25.5	24	21	12.5		5 mm	R 1/2	RPD MR0503
		22	14	12	14.5		6 mm	R 1/8	RPD MR0600
		21	16	14	12		6 mm	R 1/4	RPD MR0601
		23	19.5	17	12		6 mm	R 3/8	RPD MR0602
		25.5	24	21	12.5		6 mm	R 1/2	RPD MR0603
		27	16	14	19.5		8 mm	R 1/8	RPD MR0800
		24	16	14	15		8 mm	R 1/4	RPD MR0801
		24.5	19.5	17	13.5		8 mm	R 3/8	RPD MR0802
		26	24	21	13		8 mm	R 1/2	RPD MR0803
		28	19.5	17	20.5		10 mm	R 1/8	RPD MR1000
		29	19.5	17	20		10 mm	R 1/4	RPD MR1001
		27	19.5	17	16		10 mm	R 3/8	RPD MR1002
		26	24	21	13		10 mm	R 1/2	RPD MR1003
		33	22	19	24		12 mm	R 1/4	RPD MR1201
		29.5	22	19	18.5		12 mm	R 3/8	RPD MR1202
		27.5	24	21	8		12 mm	R 1/2	RPD MR1203
		33.1	25	22	22.1		14 mm	R 3/8	RPD MR1402
		31.2	25	22	18.2		14 mm	R 1/2	RPD MR1403
		35	27.5	24	24		16 mm	R 3/8	RPD MR1602
		33	27.5	24	20		16 mm	R 1/2	RPD MR1603
Parallel male straight adaptor - RPD MG									
							Body construction: Nickel-plated brass Tube Ø OD BSP Gas Thread		
		20	14	12	14.5		4 mm	G 1/8	RPD MG0400
		19	16.5	14	13		4 mm	G 1/4	RPD MG0401
		24	14	12	18.5		5 mm	G 1/8	RPD MG0500
		21	16.5	14	15		5 mm	G 1/4	RPD MG0501
		21	20	17	14.5		5 mm	G 3/8	RPD MG0502
		22.5	22	19	14.5		5 mm	G 1/2	RPD MG0503
		24	14	12	18.5		6 mm	G 1/8	RPD MG0600
		21	16.5	14	15		6 mm	G 1/4	RPD MG0601
		21	20	17	20.5		6 mm	G 3/8	RPD MG0602
		22.5	22	19	14.5		6 mm	G 1/2	RPD MG0603
		25.5	16.5	14	20		8 mm	G 1/8	RPD MG0800
		22	16.5	14	16		8 mm	G 1/4	RPD MG0801
		21	20	17	14.5		8 mm	G 3/8	RPD MG0802
		22.5	22	19	14.5		8 mm	G 1/2	RPD MG0803
		27.8	20	17	22.3		10 mm	G 1/8	RPD MG1000
		27.8	20	17	21.8		10 mm	G 1/4	RPD MG1001
		25.8	22	19	19.3		10 mm	G 3/8	RPD MG1002
		26.3	25	21	18.3		10 mm	G 1/2	RPD MG1003
		30	22	19	24		12 mm	G 1/4	RPD MG1201
		26.5	22	19	20		12 mm	G 3/8	RPD MG1202
		28	25	21	20		12 mm	G 1/2	RPD MG1203
		30.8	25.5	22	24.3		14 mm	G 3/8	RPD MG1402
		28	28	24	20		14 mm	G 1/2	RPD MG1403
		33	28	24	26.5		16 mm	G 3/8	RPD MG1602
		34.5	28	24	26.5		16 mm	G 1/2	RPD MG1603

CONEX PUSH-IN FITTINGS

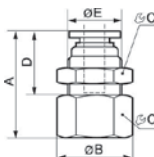
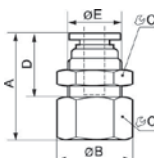
ADJUSTABLE STUD COUPLINGS

Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with seal	Sealing Precoated tapered male thread	
		A	B	C	D	E	DESCRIPTION		REFERENCE
Parallel male straight adaptor - RPD MG									
							Body construction: Nickel-plated brass Tube Ø OD Metric thread		
		21.5	12	10	17.5		4 mm	M5	RPD MG04M5
		24	14	12	20		5 mm	M5	RPD MG05M5
		24	14	12	20		6 mm	M5	RPD MG06M5
Parallel female straight adaptor - RPD FG									
							Body construction: Nickel-plated brass Tube Ø OD Gas BSP Thread		
		24	16.5	14	14		4 mm	G 1/8	RPD FG0400
		26.5	20	17	19		4 mm	G 1/4	RPD FG0401
		27	16.5	14	20		5 mm	G 1/8	RPD FG0500
		26	20	17	18.5		5 mm	G 1/4	RPD FG0501
		28.5	22	19	20.5		5 mm	G 3/8	RPD FG0502
		31	28	24	21		5 mm	G 1/2	RPD FG0503
		27	16.5	14	20		6 mm	G 1/8	RPD FG0600
		26	20	17	18.5		6 mm	G 1/4	RPD FG0601
		28.5	22	19	20.5		6 mm	G 3/8	RPD FG0602
		31	28	24	21		6 mm	G 1/2	RPD FG0603
		28	20	17	21		8 mm	G 1/8	RPD FG0800
		28	20	17	20.5		8 mm	G 1/4	RPD FG0801
		28.5	22	19	20.5		8 mm	G 3/8	RPD FG0802
		31	28	24	21		8 mm	G 1/2	RPD FG0803
		29.5	22	19	22.5		10 mm	G 1/8	RPD FG1000
		29.5	22	19	22		10 mm	G 1/4	RPD FG1001
		32	24.5	21	24		10 mm	G 3/8	RPD FG1002
		32	28	24	22		10 mm	G 1/2	RPD FG1003
		31.5	24.5	21	24		12 mm	G 1/4	RPD FG1201
		33	24.5	21	25		12 mm	G 3/8	RPD FG1202
		33	28	24	23		12 mm	G 1/2	RPD FG1203
		31.3	28	24	23.3		14 mm	G 3/8	RPD FG1402
		32	28	24	22		14 mm	G 1/2	RPD FG1403
		34	28	24	26		16 mm	G 3/8	RPD FG1602
		35	28	24	25		16 mm	G 1/2	RPD FG1603
Parallel female straight adaptor - RPD FG									
							Body constructor : Nickel-plated brass Tube Ø OD Metric thread		
		22	14	12	17		4 mm	M5	RPD FG04M5
		23.5	16.5	14	18.5		5 mm	M5	RPD FG05M5
		23.5	16.5	14	18.5		6 mm	M5	RPD FG06M5

CONEX PUSH-IN FITTINGS

ADJUSTABLE STUD COUPLINGS

Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with steal	Sealing Precoated tapered male thread
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Parallel female straight bulkhead fitting - RPD TG									
							Body construction: Nickel-plated brass		
							Tube Ø OD	Thread	
		24.5	16.5	14	15.5	10	4 mm	G 1/8	RPD TG0400
		26	20	17	17	10	4 mm	G 1/4	RPD TG0401
		27	20	17	18.5	12.8	5 mm	G 1/8	RPD TG0500
		28	20	17	18.5	12.8	5 mm	G 1/4	RPD TG0501
		29.5	22	19	19.5	12.8	5 mm	G 3/8	RPD TG0502
		31	28	24	19	12.8	5 mm	G 1/2	RPD TG0503
		27	20	17	18.5	12.8	6 mm	G 1/8	RPD TG0600
		28	20	17	18.5	12.8	6 mm	G 1/4	RPD TG0601
		29.5	22	19	19.5	12.8	6 mm	G 3/8	RPD TG0602
		31	28	24	19	12.8	6 mm	G 1/2	RPD TG0603
		26.5	20	17	17.5	13.8	8 mm	G 1/8	RPD TG0800
		28	20	17	18.5	13.8	8 mm	G 1/4	RPD TG0801
		29	22	19	19	13.8	8 mm	G 3/8	RPD TG0802
		31.5	28	24	19.5	13.8	8 mm	G 1/2	RPD TG0803
		29.5	24.5	21	21	16.8	10 mm	G 1/8	RPD TG1000
		29.5	24.5	21	20	16.8	10 mm	G 1/4	RPD TG1001
		31.5	24.5	21	21.5	16.8	10 mm	G 3/8	RPD TG1002
		31.5	28	24	19.5	16.8	10 mm	G 1/2	RPD TG1003
		32	28	24	22.5	19.8	12 mm	G 1/4	RPD TG1201
		33	28	24	23	19.8	12 mm	G 3/8	RPD TG1202
		33	28	24	21	19.8	12 mm	G 1/2	RPD TG1203
		32.5	28	24	22.5	22.7	14 mm	G 3/8	RPD TG1402
		34.5	28	24	22.5	22.7	14 mm	G 1/2	RPD TG1403
		32.3	28	24	22.3	23.8	16 mm	G 3/8	RPD TG1602
		34.3	28	24	22.3	23.8	16 mm	G 1/2	RPD TG1603
Parallel female straight bulkhead fitting - RPD TG									
							Body construction: Nickel-plated brass		
							Tube Ø OD	Metric thread	
		22	16.5	14	15	10	4 mm	M5	RPD TG04M5
		23	16.5	14	16	12.8	5 mm	M5	RPD TG05M5
		23	16.5	14	16	12.8	6 mm	M5	RPD TG06M5

CONEX PUSH-IN FITTINGS

ADJUSTABLE STUD COUPLINGS

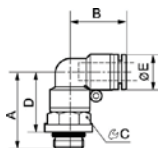
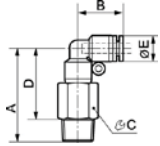
Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with steal	Sealing Precoated tapered male thread
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Tapered male 90° elbow - RPC MR									
							Tube Ø OD	BSP Gas thread	
	25	17.5	10	17.5	10	4 mm	R 1/8	RPC MR0400	
	26.5	17.5	14	17.5	10	4 mm	R 1/4	RPC MR0401	
	27.5	20.5	12	20	12.8	5 mm	R 1/8	RPC MR0500	
	29	20.5	14	20	12.8	5 mm	R 1/4	RPC MR0501	
	31.5	20.5	17	20.5	12.8	5 mm	R 3/8	RPC MR0502	
	34	20.5	21	21	12.8	5 mm	R 1/2	RPC MR0503	
	27.5	20.5	12	20	12.8	6 mm	R 1/8	RPC MR0600	
	29	20.5	14	20	12.8	6 mm	R 1/4	RPC MR0601	
	31.5	20.5	17	20.5	12.8	6 mm	R 3/8	RPC MR0602	
	34	20.5	21	21	12.8	6 mm	R 1/2	RPC MR0603	
	29.5	22.5	14	22	13.8	8 mm	R 1/8	RPC MR0800	
	31	22.5	14	22	13.8	8 mm	R 1/4	RPC MR0801	
	33.5	22.5	17	22.5	13.8	8 mm	R 3/8	RPC MR0802	
	36	22.5	21	23	13.8	8 mm	R 1/2	RPC MR0803	
	33.2	26.3	17	25.7	16.8	10 mm	R 1/8	RPC MR1000	
	34.7	26.3	17	25.7	16.8	10 mm	R 1/4	RPC MR1001	
	36.7	26.3	17	25.7	16.8	10 mm	R 3/8	RPC MR1002	
	39.2	26.3	21	26.2	16.8	10 mm	R 1/2	RPC MR1003	
	35.5	27.8	19	26.5	19.8	12 mm	R 1/4	RPC MR1201	
	38	27.8	19	27	19.8	12 mm	R 3/8	RPC MR1202	
	40	27.8	21	27	19.8	12 mm	R 1/2	RPC MR1203	
	40	29.8	22	29	22.7	14 mm	R 3/8	RPC MR1402	
	42	29.8	22	29	22.7	14 mm	R 1/2	RPC MR1403	
	41.5	30.8	24	30.5	23.8	16 mm	R 3/8	RPC MR1602	
	43.5	30.8	24	30.5	23.8	16 mm	R 1/2	RPC MR1603	
	Parallel male 90° elbow - RPC MG								
							Tube Ø OD	Thread	
	24.1	17.5	12	18.6	10	4 mm	G 1/8	RPC MG0400	
	24.7	17.5	14	18.7	10	4 mm	G 1/4	RPC MG0401	
	27	20.5	12	21.5	12.8	5 mm	G 1/8	RPC MG0500	
	27.5	20.5	14	21.5	12.8	5 mm	G 1/4	RPC MG0501	
	29	20.5	17	22.5	12.8	5 mm	G 3/8	RPC MG0502	
	30	20.5	21	22	12.8	5 mm	G 1/2	RPC MG0503	
	27	20.5	12	21.5	12.8	6 mm	G 1/8	RPC MG0600	
	27.5	20.5	14	21.5	12.8	6 mm	G 1/4	RPC MG0601	
	29	20.5	17	22.5	12.8	6 mm	G 3/8	RPC MG0602	
	30	20.5	21	22	12.8	6 mm	G 1/2	RPC MG0603	
	29.2	22.5	14	23.7	13.8	8 mm	G 1/8	RPC MG0800	
	29.2	22.5	14	23.2	13.8	8 mm	G 1/4	RPC MG0801	
	30.7	22.5	17	24.2	13.8	8 mm	G 3/8	RPC MG0802	
	31.7	22.5	21	23.7	13.8	8 mm	G 1/2	RPC MG0803	
	33.7	26.3	17	28.2	16.8	10 mm	G 1/8	RPC MG1000	
	34.2	26.3	17	28.2	16.8	10 mm	G 1/4	RPC MG1001	
	34.2	26.3	17	27.7	16.8	10 mm	G 3/8	RPC MG1002	
	35.2	26.3	21	27.2	16.8	10 mm	G 1/2	RPC MG1003	
	35	27.8	19	29	19.8	12 mm	G 1/4	RPC MG1201	
	34.5	27.8	19	28	19.8	12 mm	G 3/8	RPC MG1202	
	36	27.8	21	28	19.8	12 mm	G 1/2	RPC MG1203	
	38.2	29.8	22	31.7	22.7	14 mm	G 3/8	RPC MG1402	
	37.2	29.8	24	29.2	22.7	14 mm	G 1/2	RPC MG1403	
	41.5	30.8	24	34.9	23.8	16 mm	G 3/8	RPC MG1602	
	39	30.8	24	31	23.8	16 mm	G 1/2	RPC MG1603	

CONEX PUSH-IN FITTINGS

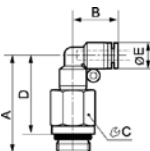
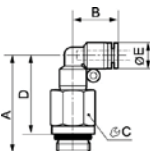
ADJUSTABLE STUD COUPLINGS

Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with seal	Sealing Precoated tapered male thread
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Parallel male 90° elbow - RPC MG									
							Tube Ø OD	Metric thread	
		25	17.5	10	21	10	4 mm	M5	RPC MG04M5
		27.5	20.5	12	23.5	12.8	6 mm	M5	RPC MG06M5
		27.5	20.5	12	23.5	12.8	5 mm	M5	RPC MG05M5
Long tapered male 90° elbow - RPC LR									
							Tube Ø OD	BSP Gas thread	
		35.5	17.5	10	28	10	4 mm	R 1/8	RPC LR0400
		37	17.5	14	28	10	4 mm	R 1/4	RPC LR0401
		40.5	20.5	12	33	12.8	5 mm	R 1/8	RPC LR0500
		43.5	20.5	14	34.5	12.8	5 mm	R 1/4	RPC LR0501
		46	20.5	17	35	12.8	5 mm	R 3/8	RPC LR0502
		48.5	20.5	21	35.5	12.8	5 mm	R 1/2	RPC LR0503
		40.5	20.5	12	33	12.8	6 mm	R 1/8	RPC LR0600
		43.5	20.5	14	34.5	12.8	6 mm	R 1/4	RPC LR0601
		46	20.5	17	35	12.8	6 mm	R 3/8	RPC LR0602
		48.5	20.5	21	35.5	12.8	6 mm	R 1/2	RPC LR0603
		44	22.5	14	36.5	13.8	8 mm	R 1/8	RPC LR0800
		45.5	22.5	14	36.5	13.8	8 mm	R 1/4	RPC LR0801
		48	22.5	17	37	13.8	8 mm	R 3/8	RPC LR0802
		50.5	22.5	21	37.5	13.8	8 mm	R 1/2	RPC LR0803
		51.2	26.3	17	43.7	16.8	10 mm	R 1/8	RPC LR1000
		52.7	26.3	17	43.7	16.8	10 mm	R 1/4	RPC LR1001
		54.7	26.3	17	43.7	16.8	10 mm	R 3/8	RPC LR1002
		57.2	26.3	21	44.2	16.8	10 mm	R 1/2	RPC LR1003
		55.5	27.8	19	46.5	19.8	12 mm	R 1/4	RPC LR1201
		58	27.8	19	47	19.8	12 mm	R 3/8	RPC LR1202
		60	27.8	21	47	19.8	12 mm	R 1/2	RPC LR1203
		60.5	29.8	22	49.5	22.7	14 mm	R 3/8	RPC LR1402
		62.5	29.8	22	49.5	22.7	14 mm	R 1/2	RPC LR1403
		62	30.8	24	51	23.8	16 mm	R 3/8	RPC LR1602
64	30.8	24	51	23.8	16 mm	R 1/2	RPC LR1603		

CONEX PUSH-IN FITTINGS ADJUSTABLE STUD COUPLINGS

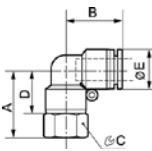
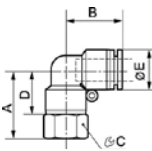
Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel-plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with steal	Sealing Precoated tapered male thread
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		A	B	C	D	E	DESCRIPTION		REFERENCE		
Long parallel male 90° elbow - RPC LG											
							Tube Ø OD	Thread			
		34.5	17.5	14	29	10	4 mm	G 1/8	RPC LG0400		
		35	17.5	17	29	10	4 mm	G 1/4	RPC LG0401		
		40	20.5	14	34.5	12.8	5 mm	G 1/8	RPC LG0500		
		42	20.5	17	36	12.8	5 mm	G 1/4	RPC LG0501		
		43.5	20.5	21	37	12.8	5 mm	G 3/8	RPC LG0502		
		44.5	20.5	24	36.5	12.8	5 mm	G 1/2	RPC LG0503		
		40	20.5	14	34.5	12.8	6 mm	G 1/8	RPC LG0600		
		42	20.5	17	36	12.8	6 mm	G 1/4	RPC LG0601		
		43.5	20.5	21	37	12.8	6 mm	G 3/8	RPC LG0602		
		44.5	20.5	24	36.5	12.8	6 mm	G 1/2	RPC LG0603		
		44	22.5	14	38.5	13.8	8 mm	G 1/8	RPC LG0800		
		44	22.5	14	38	13.8	8 mm	G 1/4	RPC LG0801		
		45.5	22.5	17	39	13.8	8 mm	G 3/8	RPC LG0802		
		46.5	22.5	24	38.5	13.8	8 mm	G 1/2	RPC LG0803		
		51.7	26.3	17	46.2	16.8	10 mm	G 1/8	RPC LG1000		
		52.2	26.3	17	46.2	16.8	10 mm	G 1/4	RPC LG1001		
		52.2	26.3	21	45.7	16.8	10 mm	G 3/8	RPC LG1002		
		53.2	26.3	24	45.2	16.8	10 mm	G 1/2	RPC LG1003		
		55	27.8	19	49	19.8	12 mm	G 1/4	RPC LG1201		
		54.5	27.8	21	48	19.8	12 mm	G 3/8	RPC LG1202		
		56	27.8	24	48	19.8	12 mm	G 1/2	RPC LG1203		
		57	29.8	24	50.5	22.7	14 mm	G 3/8	RPC LG1402		
		58.5	29.8	24	50.5	22.7	14 mm	G 1/2	RPC LG1403		
		58.5	30.8	24	52	23.8	16 mm	G 3/8	RPC LG1602		
		60	30.8	24	52	23.8	16 mm	G 1/2	RPC LG1603		
		Long parallel male 90° elbow - RPC LG									
							Tube Ø OD	Metric thread			
		35.5	17.5	10	31.5	10	4 mm	M5	RPC LG04M5		
		40.5	20.5	12	36.5	12.8	5 mm	M5	RPC LG05M5		
		40.5	20.5	12	36.5	12.8	6 mm	M5	RPC LG06M5		

CONEX PUSH-IN FITTINGS

ADJUSTABLE STUD COUPLINGS

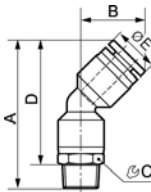
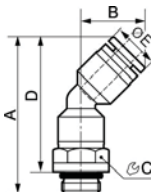
Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with steal	Sealing Precoated tapered male thread
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Parallel female 90° elbow - RPC FG									
							Tube Ø OD	Thread Gas BSP	
		22.5	17.5	12	15.5	10	4 mm	G 1/8	RPC FG0400
		23	17.5	17	15.5	10	4 mm	G 1/4	RPC FG0401
		25	20.5	12	18	12.8	5 mm	G 1/8	RPC FG0500
		25.5	20.5	17	18	12.8	5 mm	G 1/4	RPC FG0501
		26	20.5	19	18	12.8	5 mm	G 3/8	RPC FG0502
		28	20.5	24	18	12.8	5 mm	G 1/2	RPC FG0503
		25	20.5	12	18	12.8	6 mm	G 1/8	RPC FG0600
		25.5	20.5	17	18	12.8	6 mm	G 1/4	RPC FG0601
		26	20.5	19	18	12.8	6 mm	G 3/8	RPC FG0602
		28	20.5	24	18	12.8	6 mm	G 1/2	RPC FG0603
		26.7	22.5	14	19.7	13.8	8 mm	G 1/8	RPC FG0800
		27.2	22.5	17	19.7	13.8	8 mm	G 1/4	RPC FG0801
		27.7	22.5	19	19.7	13.8	8 mm	G 3/8	RPC FG0802
		29.7	22.5	24	19.7	13.8	8 mm	G 1/2	RPC FG0803
		30.2	26.3	19	23.2	16.8	10 mm	G 1/8	RPC FG1000
		30.7	26.3	19	23.2	16.8	10 mm	G 1/4	RPC FG1001
		31.2	26.3	19	23.2	16.8	10 mm	G 3/8	RPC FG1002
		33.2	26.3	24	23.2	16.8	10 mm	G 1/2	RPC FG1003
		31.5	27.8	19	24	19.8	12 mm	G 1/4	RPC FG1201
		32	27.8	21	24	19.8	12 mm	G 3/8	RPC FG1202
		34	27.8	24	24	19.8	12 mm	G 1/2	RPC FG1203
		33.5	29.8	22	25.5	22.7	14 mm	G 3/8	RPC FG1402
		35.5	29.8	24	25.5	22.7	14 mm	G 1/2	RPC FG1403
		35	30.8	24	27	23.8	16 mm	G 3/8	RPC FG1602
37	30.8	24	27	23.8	16 mm	G 1/2	RPC FG1603		
Parallel female 90° elbow - RPC FG									
							Tube Ø OD	Metric gas thread	
		20.5	17.5	12	15.5	10	4 mm	M5	RPC FG04M5
		23	20.5	12	18	12.8	5 mm	M5	RPC FG05M5
		23	20.5	12	18	12.8	6 mm	M5	RPC FG06M5

CONEX PUSH-IN FITTINGS

ADJUSTABLE STUD COUPLINGS

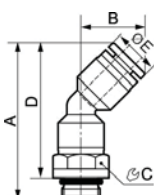
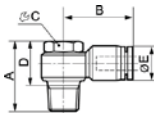
Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with steel	Sealing Precoated tapered male thread
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Tapered male 45° elbow - RPQ MR									
							Tube Ø OD	BSP Gas thread	
		39.4	14.5	10	31.9	10	4 mm	R 1/8	RPQ MR0400
		40.9	14.5	14	31.9	10	4 mm	R 1/4	RPQ MR0401
		43	16.5	12	35.5	12.8	5 mm	R 1/8	RPQ MR0500
		44.5	16.5	14	35.5	12.8	5 mm	R 1/4	RPQ MR0501
		47	16.5	17	36	12.8	5 mm	R 3/8	RPQ MR0502
		49.5	16.5	21	36.5	12.8	5 mm	R 1/2	RPQ MR0503
		43	16.5	12	35.5	12.8	6 mm	R 1/8	RPQ MR0600
		44.5	16.5	14	35.5	12.8	6 mm	R 1/4	RPQ MR0601
		47	16.5	17	36	12.8	6 mm	R 3/8	RPQ MR0602
		49.5	16.5	21	36.5	12.8	6 mm	R 1/2	RPQ MR0603
		46	19	14	38.5	13.8	8 mm	R 1/8	RPQ MR0800
		47.5	19	14	38.5	13.8	8 mm	R 1/4	RPQ MR0801
		50	19	17	39	13.8	8 mm	R 3/8	RPQ MR0802
		52.5	19	21	39.5	13.8	8 mm	R 1/2	RPQ MR0803
		51.3	22	17	43.8	16.8	10 mm	R 1/8	RPQ MR1000
		52.8	22	17	43.8	16.8	10 mm	R 1/4	RPQ MR1001
		54.8	22	17	43.8	16.8	10 mm	R 3/8	RPQ MR1002
		57.3	22	21	44.3	16.8	10 mm	R 1/2	RPQ MR1003
		55.5	23	19	46.5	19.8	12 mm	R 1/4	RPQ MR1201
		58	23	19	47	19.8	12 mm	R 3/8	RPQ MR1202
		60	23	21	47	19.8	12 mm	R 1/2	RPQ MR1203
Parallel male 45° elbow - RPQ MG									
							Tube Ø OD	Thread	
		38	14.5	12	33.5	10	4 mm	G 1/8	RPQ MG0400
		39	14.5	14	33	10	4 mm	G 1/4	RPQ MG0401
		41.5	16.5	12	35.5	12.8	5 mm	G 1/8	RPQ MG0500
		42.5	16.5	14	36.5	12.8	5 mm	G 1/4	RPQ MG0501
		44	16.5	17	37.5	12.8	5 mm	G 3/8	RPQ MG0502
		44	16.5	21	36	12.8	5 mm	G 1/2	RPQ MG0503
		42	16.5	12	35.5	12.8	6 mm	G 1/8	RPQ MG0600
		43	16.5	14	37	12.8	6 mm	G 1/4	RPQ MG0601
		44	16.5	17	37.5	12.8	6 mm	G 3/8	RPQ MG0602
		45	16.5	21	37	12.8	6 mm	G 1/2	RPQ MG0603
		46	19	14	40.5	13.8	8 mm	G 1/8	RPQ MG0800
		46	19	14	40	13.8	8 mm	G 1/4	RPQ MG0801
		47	19	17	40	13.8	8 mm	G 3/8	RPQ MG0802
		48.5	19	21	40.5	13.8	8 mm	G 1/2	RPQ MG0803
		51	22	17	45	16.8	10 mm	G 1/8	RPQ MG1000
		51	22	17	45	16.8	10 mm	G 1/4	RPQ MG1001
		51	22	17	44.5	16.8	10 mm	G 3/8	RPQ MG1002
		52	22	21	44	16.8	10 mm	G 1/2	RPQ MG1003
		55	23	19	49	19.8	12 mm	G 1/4	RPQ MG1201
		55	23	19	48.5	19.8	12 mm	G 3/8	RPQ MG1202
		56	23	21	48	19.8	12 mm	G 1/2	RPQ MG1203

CONEX PUSH-IN FITTINGS

ADJUSTABLE STUD COUPLINGS

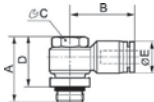
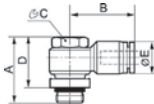
Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with steal	Sealing Precoated tapered male thread
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Parallel male 45° elbow - RPQ MG									
							Tube Ø OD	Metric thread	
		39	14.5	10	35	10	4 mm	M5	RPQ MG04M5
		43	16.5	12	39	12.8	5 mm	M5	RPQ MG05M5
		42.5	16.5	12	38.5	12.8	6 mm	M5	RPQ MG06M5
Tapered male banjo fitting - RPB MR									
							Tube Ø OD	BSP Gas thread	
		25	21.8	10	17.5	10	4 mm	R 1/8	RPB MR0400
		29	24	14	20	10	4 mm	R 1/4	RPB MR0401
		25	23	10	17.5	12.8	5 mm	R 1/8	RPB MR0500
		29	25.5	14	20	12.8	5 mm	R 1/4	RPB MR0501
		35	27.1	19	24	12.8	5 mm	R 3/8	RPB MR0502
		40	30.1	24	27	12.8	5 mm	R 1/2	RPB MR0503
		25	23	10	17.5	12.8	6 mm	R 1/8	RPB MR0600
		29	25.5	14	20	12.8	6 mm	R 1/4	RPB MR0601
		35	27.1	19	24	12.8	6 mm	R 3/8	RPB MR0602
		40	30.1	24	27	12.8	6 mm	R 1/2	RPB MR0603
		25	24.6	10	17.5	13.8	8 mm	R 1/8	RPB MR0800
		29	26.8	14	20	13.8	8 mm	R 1/4	RPB MR0801
		35	28.8	19	24	13.8	8 mm	R 3/8	RPB MR0802
		40	30.5	24	27	13.8	8 mm	R 1/2	RPB MR0803
		25	28.5	10	17.5	16.8	10 mm	R 1/8	RPB MR1000
		29	31	14	20	16.8	10 mm	R 1/4	RPB MR1001
		35	31	19	24	16.8	10 mm	R 3/8	RPB MR1002
		40	34	24	27	16.8	10 mm	R 1/2	RPB MR1003
		29	31.8	14	20	19.8	12 mm	R 1/4	RPB MR1201
		35	34	19	24	19.8	12 mm	R 3/8	RPB MR1202
		40	35.8	24	27	19.8	12 mm	R 1/2	RPB MR1203
		35	34.8	19	24	23.8	16 mm	R 3/8	RPB MR1602
		40	36.6	24	27	23.8	16 mm	R 1/2	RPB MR1603

CONEX PUSH-IN FITTINGS

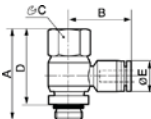
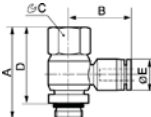
ADJUSTABLE STUD COUPLINGS

Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with steal	Sealing Precoated tapered male thread
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Parallel male banjo fitting - RPB MG									
							Tube Ø OD	Thread	
		23.5	23.5	10	18	10	4 mm	G 1/8	RPB MG0400
		28	28	14	22	10	4 mm	G 1/4	RPB MG0401
		23.5	23.5	10	18	12.8	5 mm	G 1/8	RPB MG0500
		28	28	14	22	12.8	5 mm	G 1/4	RPB MG0501
		34	34	19	27.5	12.8	5 mm	G 3/8	RPB MG0502
		38	38	24	30	12.8	5 mm	G 1/2	RPB MG0503
		23.5	23.5	10	18	12.8	6 mm	G 1/8	RPB MG0600
		28	28	14	22	12.8	6 mm	G 1/4	RPB MG0601
		34	34	19	27.5	12.8	6 mm	G 3/8	RPB MG0602
		38	38	24	30	12.8	6 mm	G 1/2	RPB MG0603
		23.5	24.6	10	18	13.8	8 mm	G 1/8	RPB MG0800
		28	26.8	14	22	13.8	8 mm	G 1/4	RPB MG0801
		34	28.8	19	27.5	13.8	8 mm	G 3/8	RPB MG0802
		38	30.5	24	30	13.8	8 mm	G 1/2	RPB MG0803
		23.5	28.5	10	18	16.8	10 mm	G 1/8	RPB MG1000
		28	31	14	22	16.8	10 mm	G 1/4	RPB MG1001
		34	31	19	27.5	16.8	10 mm	G 3/8	RPB MG1002
		38	34	24	30	16.8	10 mm	G 1/2	RPB MG1003
		28	32	14	22	19.8	12 mm	G 1/4	RPB MG1201
		34	34	19	27.5	19.8	12 mm	G 3/8	RPB MG1202
		38	36	24	30	19.8	12 mm	G 1/2	RPB MG1203
		34	34.8	19	27.5	23.8	16 mm	G 3/8	RPB MG1602
38	36.6	24	30	23.8	16 mm	G 1/2	RPB MG1603		
Parallel male banjo fitting - RPB MG									
							Tube Ø OD	Metric thread	
		20	19.7	8	16	10	4 mm	M5	RPB MG04M5
		20	19.7	8	16	12.8	5 mm	M5	RPB MG05M5
		20	19.7	8	16	12.8	6 mm	M5	RPB MG06M5

CONEX PUSH-IN FITTINGS ADJUSTABLE STUD COUPLINGS

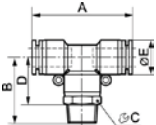
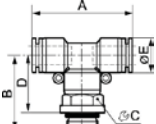
Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel-plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with steal	Sealing Precoated tapered male thread
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Parallel female banjo fitting - RPB FG									
							Tube Ø OD	Thread	
		30	23.5	12	24.5	10	4 mm	G 1/8	RPB FG0400
		32	24	17	26	10	4 mm	G 1/4	RPB FG0401
		30	23.5	12	24.5	12.8	5 mm	G 1/8	RPB FG0500
		32	25	17	26	12.8	5 mm	G 1/4	RPB FG0501
		39	26.5	19	32.5	12.8	5 mm	G 3/8	RPB FG0502
		42	29.5	24	34	12.8	5 mm	G 1/2	RPB FG0503
		30	23	12	24.5	12.8	6 mm	G 1/8	RPB FG0600
		32	25	17	26	12.8	6 mm	G 1/4	RPB FG0601
		39	26.5	19	32.5	12.8	6 mm	G 3/8	RPB FG0602
		42	29.8	24	34	12.8	6 mm	G 1/2	RPB FG0603
		30	25	12	24.5	13.8	8 mm	G 1/8	RPB FG0800
		32	27	17	26	13.8	8 mm	G 1/4	RPB FG0801
		39	29	19	32.5	13.8	8 mm	G 3/8	RPB FG0802
		42	30.3	24	34	13.8	8 mm	G 1/2	RPB FG0803
		30	29	12	24.5	16.8	10 mm	G 1/8	RPB FG1000
		32	33	17	26	16.8	10 mm	G 1/4	RPB FG1001
		39	32	19	32.5	16.8	10 mm	G 3/8	RPB FG1002
		42	34	24	34	16.8	10 mm	G 1/2	RPB FG1003
		32	31	17	26	19.8	12 mm	G 1/4	RPB FG1201
		39	34	19	32.5	19.8	12 mm	G 3/8	RPB FG1202
		42	36	24	34	19.8	12 mm	G 1/2	RPB FG1203
		39	34	19	32.5	23.8	16 mm	G 3/8	RPB FG1602
		42	36.3	24	34	23.8	16 mm	G 1/2	RPB FG1603
Parallel female banjo fitting - RPB FG									
							Tube Ø OD	Metric thread	
		20	19.7	8	16	10	4 mm	M5	RPB FG04M5
		20	22.3	10	16	12.8	5 mm	M5	RPB FG05M5
		20	22.3	8	16	12.8	6 mm	M5	RPB FG06M5

CONEX PUSH-IN FITTINGS

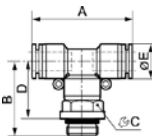
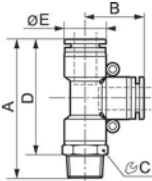
ADJUSTABLE STUD COUPLINGS

Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with seal	Sealing Precoated tapered male thread
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Tee with tapered male centre leg - RPT CR									
							Tube Ø OD	BSP Gas thread	
		35	25	10	17.5	10	4 mm	R 1/8	RPT CR0400
		35	26.5	14	17.5	10	4 mm	R 1/4	RPT CR0401
		41	27.5	12	20	12.8	5 mm	R 1/8	RPT CR0500
		41	29	14	20	12.8	5 mm	R 1/4	RPT CR0501
		41	31.5	17	20.5	18.8	5 mm	R 3/8	RPT CR0502
		41	34	21	21	12.8	5 mm	R 1/2	RPT CR0503
		41	27.5	12	20	12.8	6 mm	R 1/8	RPT CR0600
		41	29	14	20	12.8	6 mm	R 1/4	RPT CR0601
		41	31.5	17	20.5	12.8	6 mm	R 3/8	RPT CR0602
		41	34	21	21	12.8	6 mm	R 1/2	RPT CR0603
		45	29.5	14	22	13.8	8 mm	R 1/8	RPT CR0800
		45	31	14	22	13.8	8 mm	R 1/4	RPT CR0801
		45	33.5	17	22.5	13.8	8 mm	R 3/8	RPT CR0802
		45	36	21	23	13.8	8 mm	R 1/2	RPT CR0803
		52.6	33.2	17	25.7	16.8	10 mm	R 1/8	RPT CR1000
		52.6	34.7	17	25.7	16.8	10 mm	R 1/4	RPT CR1001
		52.6	36.7	17	25.7	16.8	10 mm	R 3/8	RPT CR1002
		52.6	39.2	21	26.2	16.8	10 mm	R 1/2	RPT CR1003
		55.6	35.5	19	26.5	19.8	12 mm	R 1/4	RPT CR1201
		55.6	38	19	27	19.8	12 mm	R 3/8	RPT CR1202
		55.6	40	21	27	19.8	12 mm	R 1/2	RPT CR1203
		62	41.2	22	30.2	22.7	14 mm	R 3/8	RPT CR1402
		62	43.2	22	30.2	22.7	14 mm	R 1/2	RPT CR1403
		64.6	43	24	32	23.8	16 mm	R 3/8	RPT CR1602
		64.6	45	24	32	23.8	16 mm	R 1/2	RPT CR1603
Tee with parallel male centre leg - RPT CG									
							Tube Ø OD	BSP Gas Thread	
		35	23.6	12	18.1	10	4 mm	G 1/8	RPT CG0400
		35	24	14	18	10	4 mm	G 1/4	RPT CG0401
		41	27	12	21.5	12.8	5 mm	G 1/8	RPT CG0500
		41	27.5	14	21.5	12.8	5 mm	G 1/4	RPT CG0501
		41	29	17	22.5	12.8	5 mm	G 3/8	RPT CG0502
		41	30	21	22	12.8	5 mm	G 1/2	RPT CG0503
		41	27	12	21.5	12.8	6 mm	G 1/8	RPT CG0600
		41	27.5	14	21.5	12.8	6 mm	G 1/4	RPT CG0601
		41	29	17	22.5	12.8	6 mm	G 3/8	RPT CG0602
		41	30	21	22	12.8	6 mm	G 1/2	RPT CG0603
		45	29.5	14	24	13.8	8 mm	G 1/8	RPT CG0800
		45	29.5	14	23.5	13.8	8 mm	G 1/4	RPT CG0801
		45	31	17	24.5	13.8	8 mm	G 3/8	RPT CG0802
		45	32	21	24	13.8	8 mm	G 1/2	RPT CG0803
		52.6	33.7	17	28.2	16.8	10 mm	G 1/8	RPT CG1000
		52.6	34.2	17	28.2	16.8	10 mm	G 1/4	RPT CG1001
		52.6	34.2	17	27.7	16.8	10 mm	G 3/8	RPT CG1002
		52.6	35.2	21	27.2	16.8	10 mm	G 1/2	RPT CG1003
		55.6	35	19	29	19.8	12 mm	G 1/4	RPT CG1201
		55.6	34.5	19	28	19.8	12 mm	G 3/8	RPT CG1202
		55.6	35.5	21	27.5	19.8	12 mm	G 1/2	RPT CG1203
		62	39.3	22	32.8	22.7	14 mm	G 3/8	RPT CG1402
		62	38.5	22	30.5	22.7	14 mm	G 1/2	RPT CG1403
		64.6	43	24	36.5	23.8	16 mm	G 3/8	RPT CG1602
		64.6	40.5	24	32.5	23.8	16 mm	G 1/2	RPT CG1603

CONEX PUSH-IN FITTINGS

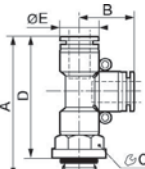
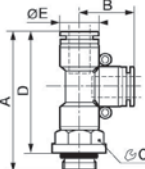
ADJUSTABLE STUD COUPLINGS

Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with seal	Sealing Precoated tapered male thread	
		A	B	C	D	E	DESCRIPTION		REFERENCE
Tee with parallel male centre leg - RPT CG									
							Tube Ø OD	Metric gas thread	
		35	25	10	21	10	4 mm	M5	RPT CG04M5
		41	27.5	12	23.5	12.8	5 mm	M5	RPT CG05M5
		41	27.5	12	23.5	12.8	6 mm	M5	RPT CG06M5
Tee with tapered male side leg - RPT AR									
		42.5	17.5	10	35	10	Tube Ø OD	BSP Gas thread	RPT AR0400
		44	17.5	14	35	10	4 mm	R 1/4	RPT AR0401
		48	20.5	12	40.5	12.8	5 mm	R 1/8	RPT AR0500
		49.5	20.5	14	40.5	12.8	5 mm	R 1/4	RPT AR0501
		52	20.5	17	41	12.8	5 mm	R 3/8	RPT AR0502
		54.5	20.5	21	41.5	12.8	5 mm	R 1/2	RPT AR0503
		48	20.5	12	40.5	12.8	6 mm	R 1/8	RPT AR0600
		49.5	20.5	14	40.5	12.8	6 mm	R 1/4	RPT AR0601
		52	20.5	17	41	12.8	6 mm	R 3/8	RPT AR0602
		54.5	20.5	21	41.5	12.8	6 mm	R 1/2	RPT AR0603
		52	22.5	14	44.5	13.8	8 mm	R 1/8	RPT AR0800
		53.5	22.5	14	44.5	13.8	8 mm	R 1/4	RPT AR0801
		56	22.5	17	45	13.8	8 mm	R 3/8	RPT AR0802
		58.5	22.5	21	45.5	13.8	8 mm	R 1/2	RPT AR0803
		59.5	26.3	17	52	16.8	10 mm	R 1/8	RPT AR1000
		61	26.3	17	52	16.8	10 mm	R 1/4	RPT AR1001
		63	26.3	17	52	16.8	10 mm	R 3/8	RPT AR1002
		65.5	26.3	21	52.5	16.8	10 mm	R 1/2	RPT AR1003
		63.3	27.8	19	54.3	19.8	12 mm	R 1/4	RPT AR1201
		65.8	27.8	19	54.8	19.8	12 mm	R 3/8	RPT AR1202
		67.8	27.8	21	54.8	19.8	12 mm	R 1/2	RPT AR1203
		72.2	31	22	61.2	22.7	14 mm	R 3/8	RPT AR1402
		74.2	31	22	61.2	22.7	14 mm	R 1/2	RPT AR1403
		75.3	32.3	24	64.3	23.8	16 mm	R 3/8	RPT AR1602
		77.3	32.3	24	64.3	23.8	16 mm	R 1/2	RPT AR1603

CONEX PUSH-IN FITTINGS

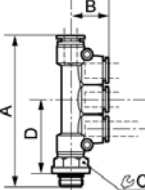
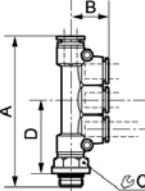
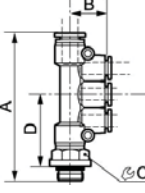
ADJUSTABLE STUD COUPLINGS

Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with steal	Sealing Precoated tapered male thread
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Tee with parallel male side leg - RPT AG									
							Tube Ø OD	Thread	
		41.1	17.5	12	35.6	10	4 mm	G 1/8	RPT AG0400
		41.5	17.5	14	35.5	10	4 mm	G 1/4	RPT AG0401
		47.5	20.5	12	42	12.8	5 mm	G 1/8	RPT AG0500
		48	20.5	14	42	12.8	5 mm	G 1/4	RPT AG0501
		49.5	20.5	17	43	12.8	5 mm	G 3/8	RPT AG0502
		50.5	20.5	21	42.5	12.8	5 mm	G 1/2	RPT AG0503
		47.5	20.5	12	42	12.8	6 mm	G 1/8	RPT AG0600
		48	20.5	14	42	12.8	6 mm	G 1/4	RPT AG0601
		49.5	20.5	17	43	12.8	6 mm	G 3/8	RPT AG0602
		50.5	20.5	21	42.5	12.8	6 mm	G 1/2	RPT AG0603
		52	22.5	14	46.5	13.8	8 mm	G 1/8	RPT AG0800
		52	22.5	14	46	13.8	8 mm	G 1/4	RPT AG0801
		53.5	22.5	17	47	13.8	8 mm	G 3/8	RPT AG0802
		54.5	22.5	21	46.5	13.8	8 mm	G 1/2	RPT AG0803
		60	26.3	17	54.5	16.8	10 mm	G 1/8	RPT AG1000
		60.5	26.3	17	54.5	16.8	10 mm	G 1/4	RPT AG1001
		60.5	26.3	17	54	16.8	10 mm	G 3/8	RPT AG1002
		61.5	26.3	21	53.5	16.8	10 mm	G 1/2	RPT AG1003
		62.8	27.8	19	56.8	19.8	12 mm	G 1/4	RPT AG1201
		62.3	27.8	19	55.8	19.8	12 mm	G 3/8	RPT AG1202
		63.3	27.8	21	55.3	19.8	12 mm	G 1/2	RPT AG1203
		70.3	31	22	63.8	22.7	14 mm	G 3/8	RPT AG1402
		69.5	31	22	61.5	22.7	14 mm	G 1/2	RPT AG1403
		75.3	32.3	24	68.8	23.8	16 mm	G 3/8	RPT AG1602
72.8	32.3	24	64.8	23.8	16 mm	G 1/2	RPT AG1603		
Tee with parallel male side leg - RPT AG									
							Tube Ø OD	Metric thread	
		42.5	17.5	10	38.5	10	4 mm	M5	RPT AG04M5
		48	20.5	12	44	12.8	5 mm	M5	RPT AG05M5
		48	20.5	12	44	12.8	6 mm	M5	RPT AG06M5

CONEX PUSH-IN FITTINGS

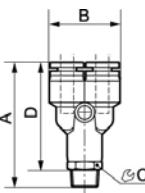
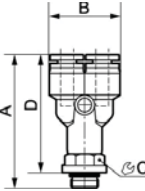
ADJUSTABLE STUD COUPLINGS

Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with steal	Sealing Precoated tapered male thread		
		A	B	C	D	E	DESCRIPTION		REFERENCE	
Parallel male three-port manifold - RPN MG										
		66.7	19.5	12	31.5		Tube Ø OD	Thread	RPN MG0400	
		67.2	19.5	14	33.5		4 mm	G 1/8	RPN MG0401	
		66.7	19.5	14	31.5		5 mm	G 1/8	RPN MG0500	
		67.2	19.5	14	31.5		5 mm	G 1/4	RPN MG0501	
		68.7	19.5	17	31.5		5 mm	G 3/8	RPN MG0502	
		69.7	19.5	21	31.5		5 mm	G 1/2	RPN MG0503	
		66.7	19.5	14	31.5		6 mm	G 1/8	RPN MG0600	
		67.2	19.5	14	31.5		6 mm	G 1/4	RPN MG0601	
		68.7	19.5	17	31.5		6 mm	G 3/8	RPN MG0602	
		69.7	19.5	21	31.5		6 mm	G 1/2	RPN MG0603	
		67.2	24	17	42		8 mm	G 1/8	RPN MG0800	
		67.2	24	17	42		8 mm	G 1/4	RPN MG0801	
		68.7	24	17	42		8 mm	G 3/8	RPN MG0802	
		69.7	24	21	42		8 mm	G 1/2	RPN MG0803	
		Parallel male three-port manifold - RPN MG								
		66.7	19.5	10	33.5		Tube Ø OD	Thread	RPN MG04M5	
		66.7	19.5	10	31.5		5 mm	M5	RPN MG05M5	
		66.7	19.5	10	33.5		6 mm	M5	RPN MG06M5	
Parallel male three-port manifold for unequal tubes - RPN KG										
		66.2	20	14	31.5		For tube Ø OD	For tube Ø OD x 3	BSP Gas thread	RPN KG6400
		67	20	14	31.5		8 mm	4 mm	G 1/4	RPN KG8401
		67.9	20	14	31.5		8 mm	6 mm	G 1/4	RPN KG8601
		87.8	23	17	42		10 mm	8 mm	G 3/8	RPN KG1082
		88.8	23	21	42		10 mm	8 mm	G 1/2	RPN KG1083

CONEX PUSH-IN FITTINGS

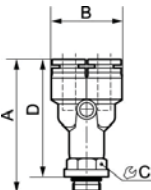
ADJUSTABLE STUD COUPLINGS

Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with seal	Sealing Precoated tapered male thread
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Y with tapered male centre leg - RPY MR									
							Tube Ø OD	Thread	
		41.5	20	10	34		4 mm	R 1/8	RPY MR0400
		43	20	14	34		4 mm	R 1/4	RPY MR0401
		44	25.6	12	36.5		5 mm	R 1/8	RPY MR0500
		45.5	25.6	14	36.5		5 mm	R 1/4	RPY MR0501
		48	25.6	17	37		5 mm	R 3/8	RPY MR0502
		50.5	25.6	21	37.5		5 mm	R 1/2	RPY MR0503
		44	25.6	12	36.5		6 mm	R 1/8	RPY MR0600
		45.5	25.6	14	36.5		6 mm	R 1/4	RPY MR0601
		48	25.6	17	37		6 mm	R 3/8	RPY MR0602
		50.5	25.6	21	37.5		6 mm	R 1/2	RPY MR0603
		44.3	27.6	14	36.8		8 mm	R 1/8	RPY MR0800
		45.8	27.6	14	36.8		8 mm	R 1/4	RPY MR0801
		48.3	27.6	17	37.3		8 mm	R 3/8	RPY MR0802
		50.8	27.6	21	37.8		8 mm	R 1/2	RPY MR0803
		56.1	33.6	17	48.6		10 mm	R 1/8	RPY MR1000
		57.6	33.6	17	48.6		10 mm	R 1/4	RPY MR1001
		59.6	32.6	17	48.6		10 mm	R 3/8	RPY MR1002
		62.1	33.6	21	49.1		10 mm	R 1/2	RPY MR1003
		60.8	39.6	19	51.8		12 mm	R 1/4	RPY MR1201
		63.3	39.6	19	52.3		12 mm	R 3/8	RPY MR1202
		65.3	39.6	21	52.3		12 mm	R 1/2	RPY MR1203
		64.8	45.4	22	53.8		14 mm	R 3/8	RPY MR1402
		66.8	45.4	22	53.8		14 mm	R 1/2	RPY MR1403
		66.5	47.6	24	55.5		16 mm	R 3/8	RPY MR1602
		68.5	47.6	24	55.5		16 mm	R 1/2	RPY MR1603
Y with parallel male centre leg - RPY MG									
							Tube Ø OD	Thread	
		40.5	20	12	33		4 mm	G 1/8	RPY MG0400
		41	20	14	32		4 mm	G 1/4	RPY MG0401
		43.5	25.6	12	36		5 mm	G 1/8	RPY MG0500
		44	25.6	14	35		5 mm	G 1/4	RPY MG0501
		45.5	25.6	17	34.5		5 mm	G 3/8	RPY MG0502
		46.5	25.6	21	33.5		5 mm	G 1/2	RPY MG0503
		43.5	25.6	12	36		6 mm	G 1/8	RPY MG0600
		44	25.6	14	35		6 mm	G 1/4	RPY MG0601
		45.5	25.6	17	34.5		6 mm	G 3/8	RPY MG0602
		46.5	25.6	21	33.5		6 mm	G 1/2	RPY MG0603
		45.3	27.6	14	37.8		8 mm	G 1/8	RPY MG0800
		45.3	27.6	14	36.3		8 mm	G 1/4	RPY MG0801
		46.8	27.6	17	35.8		8 mm	G 3/8	RPY MG0802
		47.8	27.6	21	34.8		8 mm	G 1/2	RPY MG0803
		57.3	33.6	17	49.8		10 mm	G 1/8	RPY MG1000
		57.8	33.6	17	48.8		10 mm	G 1/4	RPY MG1001
		57.8	32.6	17	46.8		10 mm	G 3/8	RPY MG1002
		58.8	33.6	21	45.8		10 mm	G 1/2	RPY MG1003
		60.5	39.6	19	51.5		12 mm	G 1/4	RPY MG1201
		60	39.6	19	49		12 mm	G 3/8	RPY MG1202
		61.5	39.6	21	48.5		12 mm	G 1/2	RPY MG1203
		61.6	45.4	22	50.6		14 mm	G 3/8	RPY MG1402
		63.5	45.4	24	50.5		14 mm	G 1/2	RPY MG1403
		64.3	47.6	24	53.3		16 mm	G 3/8	RPY MG1602
		61.8	47.6	24	48.8		16 mm	G 1/2	RPY MG1603

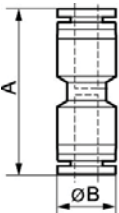
CONEX PUSH-IN FITTINGS

ADJUSTABLE STUD COUPLINGS

Fluid Air	Diameter Tubes OD 4 to 16 mm	Pressure 0 to 10 bar	Temperature 0 to 60° C	Construction Thread: Nickel- plated brass	Construction polymer (except straight adaptors)	Compatible with PU - PA	Sealing Parallel male thread with steal	Sealing Precoated tapered male thread		
			A	B	C	D	E	DESCRIPTION	REFERENCE	
Y with parallel male centre leg - RPY MR										
								Tube Ø OD	Metric Thread	
		41.4	20	10	37.6		4 mm	M5	RPY MG04M5	
		43.5	26	12	39.8		5 mm	M5	RPY MG05M5	
		43.8	24.8	12	40		6 mm	M5	RPY MG06M5	

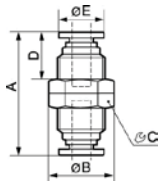
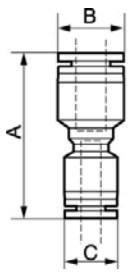
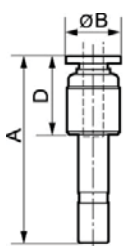
CONEX PUSH-IN FITTINGS

CONNECTION FITTINGS

Pressure 0 to 10 bar	Temperature 0 to 60°C	Construction Body: Polymer or nickeled brass		Fluid Air		Diameter Tubes OD 4 to 16 mm		Compatible with PU - PA	
		A	B	C	D	E	DESCRIPTION		REFERENCE
Straight union for tubes - RPU ET									
							Tube Ø OD		
		30	10				4 mm	RPU ET0404	
		36.7	12.8				5 mm	RPU ET0505	
		36.7	12.8				6 mm	RPU ET0606	
		39	13.8				8 mm	RPU ET0808	
		42.2	16.8				10 mm	RPU ET1010	
		44.3	19.8				12 mm	RPU ET1212	
		49.5	22.7				14 mm	RPU ET1414	
		49.6	23.8				16 mm	RPU ET1616	

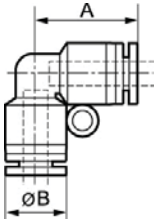
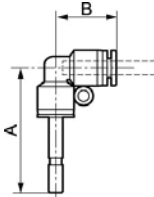
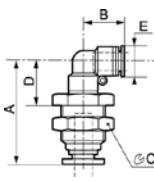
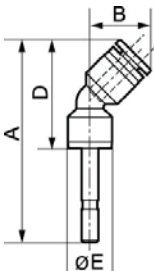
CONEX PUSH-IN FITTINGS

CONNECTION FITTINGS

Pressure 0 to 10 bar		Temperature 0 to 60°C		Construction Body: Polymer or nickeled brass		Fluid Air		Diameter Tubes OD 4 to 16 mm		Compatible with PU - PA	
				A	B	C	D	E	DESCRIPTION		REFERENCE
Bulkhead union - RPU TT											
									Tube Ø OD		
		34	16.5	14	13	10			4 mm		RPU TT0404
		36	20	17	14	12.8			5 mm		RPU TT0505
		36	20	17	14	12.8			6 mm		RPU TT0606
		39.5	22	19	15.8	13.8			8 mm		RPU TT0808
		40.6	28	24	16.5	16.8			10 mm		RPU TT1010
		44.5	30.5	26	17.8	19.8			12 mm		RPU TT1212
		52	32.5	28	18.3	23.8			16 mm		RPU TT1616
Straight union for unequal tubes - RPU IT											
								Tube Ø OD		Tube Ø OD	
		33.1	12.8	10					6 mm	4 mm	RPU IT0604
		38.3	13.8	12.8					8 mm	6 mm	RPU IT0806
		41.1	16.8	13.8					10 mm	8 mm	RPU IT1008
		45.3	19.8	16.8					12 mm	10 mm	RPU IT1210
		49.6	23.8	19.6					16 mm	12 mm	RPU IT1612
Plug-in straight reducer - RPR PT											
								Fitting Ø ID.		Tube Ø OD.	
		37	10		15.5				5 mm	4 mm	RPR PT0504
		37	10		15.5				6 mm	4 mm	RPR PT0604
		37	10		15.5				8 mm	4 mm	RPR PT0804
		37.5	12.8		16				8 mm	6 mm	RPR PT0806
		41	12.8		16				10 mm	6 mm	RPR PT1006
		44	13.8		19				10 mm	8 mm	RPR PT1008
		43	13.8		18				12 mm	8 mm	RPR PT1208
		42.5	16.8		17.5				12 mm	10 mm	RPR PT1210

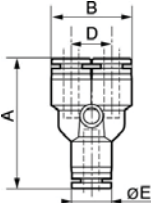
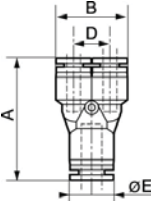
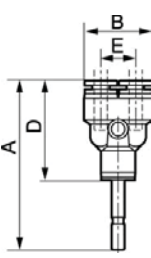
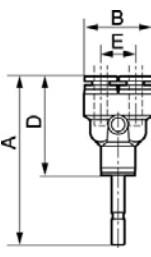
CONEX PUSH-IN FITTINGS

CONNECTION FITTINGS

Pressure 0 to 10 bar		Temperature 0 to 60°C		Construction Body: Polymer or nicked brass		Fluid Air		Diameter Tubes OD 4 to 16 mm		Compatible with PU - PA	
		A	B	C	D	E	DESCRIPTION		REFERENCE		
90° equal elbow - RPC ET											
		17.5	10				Tube Ø OD				
		17.5	10				4 mm		RPC ET0404		
		20.5	12.8				5 mm		RPC ET0505		
		20.5	12.8				6 mm		RPC ET0606		
		22.5	13.8				8 mm		RPC ET0808		
		22.8	13.8				10 mm		RPC ET1010		
		27	16.8				12 mm		RPC ET1212		
		29.8	19.8				14 mm		RPC ET1414		
		30.8	23.8				16 mm		RPC ET1616		
90° elbow - RPC PT											
		31	17.5				Tube Ø OD				
		31	17.5				4 mm		4 mm	RPC PT0404	
		37.6	20.5				5 mm		5 mm	RPC PT0505	
		38.5	20.5				6 mm		6 mm	RPC PT0606	
		40.5	22.5				8 mm		8 mm	RPC PT0808	
		46.5	26.3				10 mm		10 mm	RPC PT1010	
		48	27.8				12 mm		12 mm	RPC PT1212	
		51.8	29.8				14 mm		14 mm	RPC PT1414	
		54	30.8				16 mm		16 mm	RPC PT1616	
Elbow bulkhead fitting - RPC TT											
		37	17.5	14	18	10	Tube Ø OD				
		37	17.5	14	18	10	4 mm		RPC TT0404		
		39.5	20.5	17	18	12.8	5 mm		RPC TT0505		
		40.5	20.5	17	21.5	12.8	6 mm		RPC TT0606		
		45	22.8	19	24	13.8	8 mm		RPC TT0808		
		48	26.3	24	25	16.8	10 mm		RPC TT1010		
		54	27.8	26	27	19.8	12 mm		RPC TT1212		
		51	29.8	26	28	22.7	14 mm		RPC TT1414		
		54	30.8	28	30	23.8	16 mm		RPC TT1616		
45° tapping elbow - RPQ PT											
		45.4	14.7		27.4	10.5	Tube Ø OD		Coupling ID		
		45.4	14.7		27.4	10.5	4 mm		4 mm		
		54	16.5		34	13	5 mm		5 mm		
		54	16.5		32	13	6 mm		6 mm		
		57	18.5		35	14.5	8 mm		8 mm		
		65.3	21		40	18	10 mm		10 mm		
		68	24		43	20	12 mm		12 mm		

CONEX PUSH-IN FITTINGS

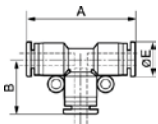
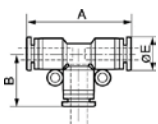
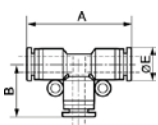
CONNECTION FITTINGS

Pressure 0 to 10 bar	Temperature 0 to 60°C	Construction Body: Polymer or nicked brass				Fluid Air	Diameter Tubes OD 4 to 16 mm		Compatible with PU - PA	
		A	B	C	D	E	DESCRIPTION			REFERENCE
Equal y piece - RPY ET										
							Tube Ø OD			
		34	20		10.5	10	4 mm		RPY ET0404	
		37	25.6		13	12.8	5 mm		RPY ET0505	
		37	25.6		13	12.8	6 mm		RPY ET0606	
		37.6	27.6		14.5	13.8	8 mm		RPY ET0808	
		50.6	33.6		18	16.8	10 mm		RPY ET1010	
		53.1	39.6		20	19.8	12 mm		RPY ET1212	
		54.6	45.4		23.3	22.7	14 mm		RPY ET1414	
		56.6	49		24.5	24.5	16 mm		RPY ET1616	
Y piece for unequal tubes - RPY IT										
							Tube Ø OD	Tube Ø OD x 2		
		35.5	20		10.5	12.8	6 mm	4 mm	RPY IT0604	
		42	25.6		13	13.8	8 mm	6 mm	RPY IT0806	
		49.6	27.6		14.5	16.8	10 mm	8 mm	RPY IT1008	
		53	33.6		18	19.8	12 mm	10 mm	RPY IT1210	
		56.6	39.6		24.5	24.5	16 mm	12 mm	RPY IT1612	
Plug-in Y - RPY PT										
							Tube Ø OD	Coupling Ø ID		
		48.5	20		31	10.5	4 mm	4 mm	RPY PT0404	
		53.5	25.6		33.5	13	5 mm	5 mm	RPY PT0505	
		55	25.6		33	13	6 mm	6 mm	RPY PT0606	
		55.3	27.6		33.5	14.5	8 mm	8 mm	RPY PT0808	
		70.8	33.6		45.5	18	10 mm	10 mm	RPY PT1010	
		73.3	39.6		48	20	12 mm	12 mm	RPY PT1212	
		75.8	45.4		49	23.3	14 mm	14 mm	RPY PT1414	
		79	47.6		51	24.5	16 mm	16 mm	RPY PT1616	
Tapping Y piece for unequal tubes - RPY PT										
							Fitting Ø ID	Tube Ø OD		
		52.5	20		31	10.5	6 mm	4 mm	RPY PT0604	
		55	25.6		33.5	13	8 mm	6 mm	RPY PT0806	
		60	27.6		35	14.5	10 mm	8 mm	RPY PT1008	
		70.8	33.6		45.5	18	12 mm	10 mm	RPY PT1210	

CONEX PUSH-IN FITTINGS

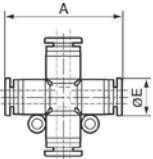
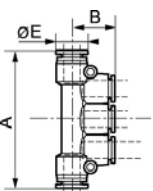
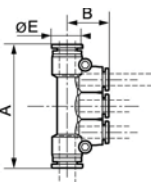
CONNECTION FITTINGS

Pressure 0 to 10 bar	Temperature 0 to 60°C	Construction Body: Polymer or nickeled brass	Fluid Air	Diameter Tubes OD 4 to 16 mm	Compatible with PU - PA
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		A	B	C	D	E	DESCRIPTION		REFERENCE	
Union tee - RPT ET										
							Tube Ø OD			
		35	17.5			10	4 mm		RPT ET0404	
		40	20			12.8	5 mm		RPT ET0505	
		40	20			12.8	6 mm		RPT ET0606	
		45.6	22.8			13.8	8 mm		RPT ET0808	
		54	27			16.8	10 mm		RPT ET1010	
		55.6	27.8			19.8	12 mm		RPT ET1212	
		62	31			22.7	14 mm		RPT ET1414	
		64	32			23.8	16 mm		RPT ET1616	
Tee pieces for unequal tubes larger centre dia. - RPT JT										
							Tube Ø OD	Tube Ø OD x 2		
		40	19.5			10	6 mm	4 mm		RPT JT0604
		45.6	22.5			12.8	8 mm	6 mm		RPT JT0806
		54	26.8			13.8	10 mm	8 mm		RPT JT1008
		55.6	27.1			16.8	12 mm	10 mm		RPT JT1210
		64	32			16.8	16 mm	12 mm		RPT JT1612
Tee pieces for unequal tubes smaller centre dia. - RPT IT										
							Tube Ø OD x 2	Tube Ø OD		
		39	20			12.8	6 mm	4 mm		RPT IT0604
		45	22.8			13.8	8 mm	6 mm		RPT IT0806
		53.6	27			16.8	10 mm	8 mm		RPT IT1008
		54.2	27.8			19.8	12 mm	10 mm		RPT IT1210
		64	32			23.8	16 mm	12 mm		RPT IT1612

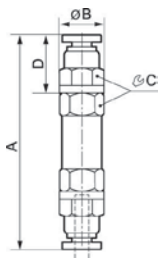
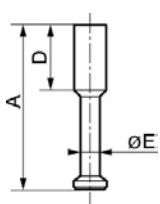
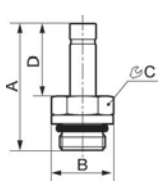
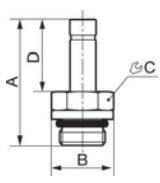
CONEX PUSH-IN FITTINGS

CONNECTION FITTINGS

Pressure 0 to 10 bar		Temperature 0 to 60°C		Construction Body: Polymer or nicked brass		Fluid Air		Diameter Tubes OD 4 to 16 mm		Compatible with PU - PA	
		A	B	C	D	E	DESCRIPTION		REFERENCE		
Equal cross - RPX ET											
		35.4				10	Tube Ø OD 4 mm		RPX ET0404		
		41				12.8	5 mm		RPX ET0505		
		41				12.8	6 mm		RPX ET0606		
		45.6				13.8	8 mm		RPX ET0808		
		52.6				16.8	10 mm		RPX ET1010		
		58.6				19.8	12 mm		RPX ET1212		
		Three-port manifold for equal tubes - RPN ET									
		59	19.5			10	Tube Ø OD 4 mm		RPN ET0404		
		60.5	19.5			12.8	5 mm		RPN ET0505		
		60.5	19.5			12.8	6 mm		RPN ET0606		
		79.6	24			13.8	8 mm		RPN ET0808		
		Three-port manifold for unequal tubes - RPN IT									
		60.2	19.5			12.8	Tube Ø OD x 2 6 mm	Tube Ø OD x 3 4 mm	RPN IT0604		
		60.8	19.5			13.8	8 mm	4 mm	RPN IT0804		
		60.8	19.5			13.8	8 mm	6 mm	RPN IT0806		
		81	23			16.8	10 mm	6 mm	RPN IT1006		
		81	24			16.8	10 mm	8 mm	RPN IT1008		

CONEX PUSH-IN FITTINGS

CONNECTION FITTINGS

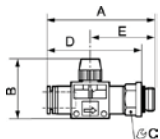
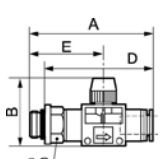
Pressure 0 to 10 bar		Temperature 0 to 60°C		Construction Body: Polymer or nicked brass		Fluid Air		Diameter Tubes OD 4 to 16 mm		Compatible with PU - PA	
				A	B	C	D	E	DESCRIPTION		REFERENCE
Non-return check valve - RPA ET											
									Tube Ø OD	Tube Ø OD	
		63	16.5	16	13				4 mm		RPA ET0404
		66	16.5	16	15				5 mm		RPA ET0505
		66	16.5	16	15				6 mm		RPA ET0606
		71	16.5	16	16				8 mm		RPA ET0808
		79	20	16	21.8				10 mm		RPA ET1010
		87	22	16	24				12 mm		RPA ET1212
Plug - RPH PT											
									Fitting Ø ID		
		30			15.5	2			4 mm		RPH PT0404
		34			18	3			6 mm		RPH PT0606
		37			18.5	4			8 mm		RPH PT0808
		39.5			20.5	5			10 mm		RPH PT1010
		44			23	6			12 mm		RPH PT1212
Connector - RPJ PG											
									Coupling Ø ID	Thread	
		29	F	12	18				4 mm	G 1/8	RPJ PG0400
		29	13.9	12	18				5 mm	G 1/8	RPJ PG0500
		31	19.6	17	18				5 mm	G 1/4	RPJ PG0501
		29	13.9	12	18				6 mm	G 1/8	RPJ PG0600
		31	19.6	17	18				6 mm	G 1/4	RPJ PG0601
		32	13.9	12	21				8 mm	G 1/8	RPJ PG0800
		34	19.6	17	21				8 mm	G 1/4	RPJ PG0801
		35	21.9	19	21				8 mm	G 3/8	RPJ PG0802
		36	19.6	17	23				10 mm	G 1/4	RPJ PG1001
		37	21.9	19	23.5				10 mm	G 3/8	RPJ PG1002
		36.5	19.6	17	23.5				12 mm	G 1/4	RPJ PG1201
		37.5	21.9	19	23.5				12 mm	G 3/8	RPJ PG1202
		Connector - RPJ PG									
									Coupling Ø ID	Metric thread	
		27	10.4	9	18				4 mm	M5	RPJ PG04M5
		27	9.2	8	18				5 mm	M5	RPJ PG05M5
		27	11.5	10	18				6 mm	M5	RPJ PG06M5

ASSORTMENT OF CONEX PUSH-IN FITTINGS

		A	B	C	DESCRIPTION	REFERENCE
CONEX Push-in fittings case						
		385	280	55	Case with 150 push-in fittings 50 male straight adaptors 10 parallel male elbow 30 straight union 20 union tee 1 tube cutter	MAL RP150

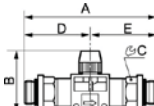
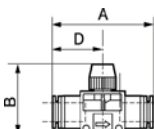
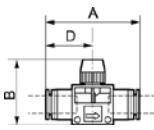
CONEX PUSH-IN FITTINGS MICRO PRESSURE REGULATING VALVES

Fluid Air	Construction Body: Polymer Thread: nickel-plated brass	Temperature 0° C to + 60° C	Pressure 0 to 10 bar	Diameter Tubes OD 6 to 12 mm	Compatible with PA - PU	Thread Parallel male thread with seal
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Micro valve - Tube/Parallel male thread - RPS PG									
							Tube Ø OD	BSP Gas thread	
		58	40.3	14	52.5	32.5	6 mm	G 1/8	RPS PG0600
		58	40.3	14	52	32.5	6 mm	G 1/4	RPS PG0601
		59.5	40.3	17	53	34	6 mm	G 3/8	RPS PG0602
		58.3	40.3	14	52.8	32.5	8 mm	G 1/8	RPS PG0800
		58.3	40.3	14	52.3	32.5	8 mm	G 1/4	RPS PG0801
		59.8	40.3	17	53.3	34	8 mm	G 3/8	RPS PG0802
		70.1	44.5	17	64.1	39	10 mm	G 1/4	RPS PG1001
		69.6	44.5	17	63.1	38.5	10 mm	G 3/8	RPS PG1002
		71.1	44.5	21	63.1	40	10 mm	G 1/2	RPS PG1003
		70.8	44.5	17	64.8	39	12 mm	G 1/4	RPS PG1201
		70.3	44.5	17	63.8	38.5	12 mm	G 3/8	RPS PG1202
		71.8	44.5	21	63.8	40	12 mm	G 1/2	RPS PG1203
Micro valve - Parallel male thread/Tube - RPS TG									
							Tube Ø OD	BSP Gas thread	
		58	40.3	14	52.5	32.5	6 mm	G 1/8	RPS TG0600
		58	40.3	14	52	32.5	6 mm	G 1/4	RPS TG0601
		59.5	40.3	17	53	34	6 mm	G 3/8	RPS TG0602
		58.3	40.3	14	52.8	32.5	8 mm	G 1/8	RPS TG0800
		58.3	40.3	14	52.3	32.5	8 mm	G 1/4	RPS TG0801
		59.8	40.3	17	53.3	34	8 mm	G 3/8	RPS TG0802
		70.1	44.5	17	64.1	39	10 mm	G 1/4	RPS TG1001
		69.6	44.5	17	63.1	38.5	10 mm	G 3/8	RPS TG1002
		71.1	44.5	21	63.1	40	10 mm	G 1/2	RPS TG1003
		70.8	44.5	17	64.8	39	12 mm	G 1/4	RPS TG1201
		70.3	44.5	17	63.8	38.5	12 mm	G 3/8	RPS TG1202
		71.8	44.5	21	63.8	40	12 mm	G 1/2	RPS TG1203

CONEX PUSH-IN FITTINGS

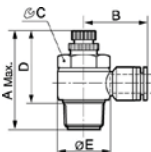
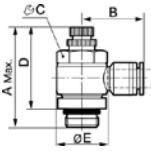
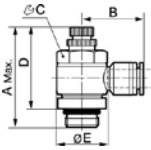
MICRO PRESSURE REGULATING VALVES

Fluid Air	Construction Body: Polymer Thread: nickel-plated brass	Temperature 0° C to + 60° C	Pressure 0 to 10 bar	Diameter Tubes OD 6 to 12 mm	Compatible with PA - PU	Thread Parallel male thread with seal			
		A	B	C	D	E	DESCRIPTION	REFERENCE	
Micro valve - Parallel male threads - RPS DG									
							BSP Gas thread	BSP Gas thread	
		65	40.3	14	32.5	32.5	G 1/8	G 1/8	RPS DG0000
		66.5	40.3	14	34	32.5	G 1/4	G 1/8	RPS DG0100
		68	40.3	14	34	34	G 1/4	G 1/4	RPS DG0101
		81.5	44.5	17	42	39.5	G 3/8	G 1/4	RPS DG0201
		84	44.5	17	42	42	G 3/8	G 3/8	RPS DG0202
		86	44.5	21	44	42	G 1/2	G 3/8	RPS DG0302
		88	44.5	21	44	44	G 1/2	G 1/2	RPS DG0303
Micro valve - Equal tubes - RPS ET									
							Tube Ø OD		
		51	40.3		25.5		6 mm		RPS ET0606
		51.6	40.3		25.8		8 mm		RPS ET0808
		62.2	44.5		31.1		10 mm		RPS ET1010
		63.6	44.5		31.8		12 mm		RPS ET1212
Micro valve - Inequal tubes - RPS IT									
							Tube Ø OD	Tube Ø OD	
		51.3	40.3		25.8		8 mm	6 mm	RPS IT0806
		62.9	44.5		31.8		12 mm	10 mm	RPS IT1210

CONEX PUSH-IN FITTINGS

FLOW REGULATORS

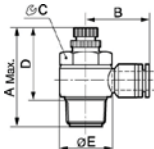
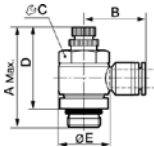
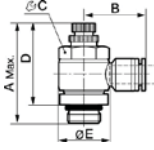
Fluid Air	Temperature 0° C to + 60° C	Construction Body: Polymer Thread: nickel-plated brass	Pressure 0 to 10 bar	Compatible with PA - PU	Diameter Tubes OD 4 to 12 mm	Thread Precoated tapered male Parallel with seal
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Tapered male regulator with adjusting knob - Cylinder supply - RPM IR									
							Tube Ø OD	BSP Gas thread	
		41	21.8	10	33.5	14.5	4 mm	R 1/8	RPM IR0400
		49	24	14	40	18.2	4 mm	R 1/4	RPM IR0401
		41	23	10	33.5	14.5	6 mm	R 1/8	RPM IR0600
		49	25.5	14	40	18.2	6 mm	R 1/4	RPM IR0601
		58	27.1	19	47	22	6 mm	R 3/8	RPM IR0602
		63	30.1	24	50	27.4	6 mm	R 1/2	RPM IR0603
		41	24.6	10	33.5	14.5	8 mm	R 1/8	RPM IR0800
		49	26.8	14	40	18.2	8 mm	R 1/4	RPM IR0801
		58	28.8	19	47	22	8 mm	R 3/8	RPM IR0802
		63	30.5	24	50	27.4	8 mm	R 1/2	RPM IR0803
		41	28.5	10	33.5	14.5	10 mm	R 1/8	RPM IR1000
		49	31	14	40	18.2	10 mm	R 1/4	RPM IR1001
		58	31	19	47	22	10 mm	R 3/8	RPM IR1002
		63	34	24	50	27.4	10 mm	R 1/2	RPM IR1003
		49	31.8	14	40	18.2	12 mm	R 1/4	RPM IR1201
		58	34	19	47	22	12 mm	R 3/8	RPM IR1202
		63	35.8	24	50	27.4	12 mm	R 1/2	RPM IR1203
Parallel male regulator with adjusting knob - Cylinder supply - RPM IG									
							Tube Ø OD	Thread	
		40	21.8	10	34.5	14.5	4 mm	G 1/8	RPM IG0400
		47	24	14	41	18.2	4 mm	G 1/4	RPM IG0401
		40	23	10	34.5	14.5	6 mm	G 1/8	RPM IG0600
		47	25.5	14	41	18.2	6 mm	G 1/4	RPM IG0601
		59	27.1	19	52.5	22	6 mm	G 3/8	RPM IG0602
		63	30.1	24	55	27.4	6 mm	G 1/2	RPM IG0603
		40	24.6	10	34.5	14.5	8 mm	G 1/8	RPM IG0800
		47	26.8	14	41	18.2	8 mm	G 1/4	RPM IG0801
		59	28.8	19	52.5	22	8 mm	G 3/8	RPM IG0802
		63	30.5	24	55	27.4	8 mm	G 1/2	RPM IG0803
		40	28.5	10	34.5	14.5	10 mm	G 1/8	RPM IG1000
		47	31	14	41	18.2	10 mm	G 1/4	RPM IG1001
		59	31	19	52.5	22	10 mm	G 3/8	RPM IG1002
		63	34	24	55	27.4	10 mm	G 1/2	RPM IG1003
		47	31.8	14	41	18.2	12 mm	G 1/4	RPM IG1201
		59	34	19	52.5	22	12 mm	G 3/8	RPM IG1202
		63	35.8	24	55	27.4	12 mm	G 1/2	RPM IG1203
Parallel male regulator with adjusting knob - Cylinder supply - RPM IG									
							Tube Ø OD	Metric Thread	
		31	19.7	8	27	10	4 mm	M5	RPM IG04M5
		31	22.5	8	27	10	6 mm	M5	RPM IG06M5

CONEX PUSH-IN FITTINGS

FLOW REGULATORS

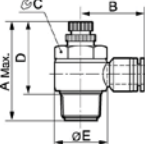
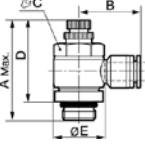
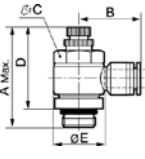
Fluid Air	Temperature 0° C to + 60° C	Construction Body: Polymer Thread: nickel-plated brass	Pressure 0 to 10 bar	Compatible with PA - PU	Diameter Tubes OD 4 to 12 mm	Thread Precoated tapered male Parallel with seal
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							DESCRIPTION		REFERENCE
Tapered flow regulator for cylinder with knob - Outlet - RPM OR									
							Tube Ø OD	BSP Gas thread	
		39	21.8	10	31.5	14.5	4 mm	R 1/8	RPM OR0400
		50	24	14	41	18.2	4 mm	R 1/4	RPM OR0401
		39	23	10	31.5	14.5	6 mm	R 1/8	RPM OR0600
		50	25.5	14	41	18.2	6 mm	R 1/4	RPM OR0601
		59	27.1	19	48	22	6 mm	R 3/8	RPM OR0602
		63	30.1	24	50	27.4	6 mm	R 1/2	RPM OR0603
		39	24.6	10	31.5	14.5	8 mm	R 1/8	RPM OR0800
		50	26.8	14	41	18.2	8 mm	R 1/4	RPM OR0801
		59	28.8	19	48	22	8 mm	R 3/8	RPM OR0802
		63	30.5	24	50	27.4	8 mm	R 1/2	RPM OR0803
		39	28.5	10	31.5	14.5	10 mm	R 1/8	RPM OR1000
		50	31	14	41	18.2	10 mm	R 1/4	RPM OR1001
		59	31	19	48	22	10 mm	R 3/8	RPM OR1002
		63	34	24	50	27.4	10 mm	R 1/2	RPM OR1003
		50	31.8	14	41	18.2	12 mm	R 1/4	RPM OR1201
		59	34	19	48	14.5	12 mm	R 3/8	RPM OR1202
63	35.8	24	50	27.4	12 mm	R 1/2	RPM OR1203		
Parallel male regulator with adjusting knob - Cylinder exhaust - RPM OG									
							Tube Ø OD	Thread	
		40	21.8	10	34.5	14.5	4 mm	G 1/8	RPM OG0400
		47	24	14	41	18.2	4 mm	G 1/4	RPM OG0401
		40	23	10	34.5	14.5	6 mm	G 1/8	RPM OG0600
		47	25.5	14	41	18.2	6 mm	G 1/4	RPM OG0601
		59	27.1	19	52.5	22	6 mm	G 3/8	RPM OG0602
		63	30.1	24	55	27.4	6 mm	G 1/2	RPM OG0603
		40	24.6	10	34.5	14.5	8 mm	G 1/8	RPM OG0800
		47	26.8	14	41	18.2	8 mm	G 1/4	RPM OG0801
		59	28.8	19	52.5	22	8 mm	G 3/8	RPM OG0802
		63	30.5	24	55	27.4	8 mm	G 1/2	RPM OG0803
		40	28.5	10	34.5	14.5	10 mm	G 1/8	RPM OG1000
		47	31	14	41	18.2	10 mm	G 1/4	RPM OG1001
		59	31	19	52.5	22	10 mm	G 3/8	RPM OG1002
		63	34	24	55	27.4	10 mm	G 1/2	RPM OG1003
		47	31.8	14	41	18.2	12 mm	G 1/4	RPM OG1201
		59	34	19	52.5	22	12 mm	G 3/8	RPM OG1202
63	35.8	24	55	27.4	12 mm	G 1/2	RPM OG1203		
Parallel male regulator with adjusting knob - Cylinder exhaust - RPM OG									
							Tube Ø OD	Thread	
		31	19.7	8	27	10	4 mm	M5	RPM OG04M5
		31	22.5	8	27	10	6 mm	M5	RPM OG06M5

CONEX PUSH-IN FITTINGS

FLOW REGULATORS

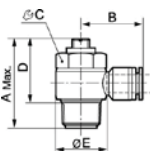
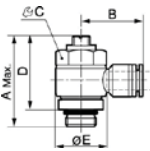
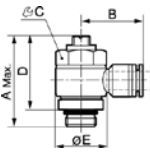
Fluid Air	Temperature 0° C to + 60° C	Construction Body: Polymer Thread: nickel-plated brass	Pressure 0 to 10 bar	Compatible with PA - PU	Diameter Tubes OD 4 to 12 mm	Thread Precoated tapered male Parallel with seal
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Tapered male regulator with adjusting knob - Bidirectional - RPM BR									
							Tube Ø OD	BSP Gas thread	
		42	21.8	10	34.5	14.5	4 mm	R 1/8	RPM BR0400
		46	24	14	37	18.2	4 mm	R 1/4	RPM BR0401
		42	23	10	34.5	14.5	6 mm	R 1/8	RPM BR0600
		46	25.5	14	37	18.2	6 mm	R 1/4	RPM BR0601
		55.5	27.1	19	44.5	22	6 mm	R 3/8	RPM BR0602
		61.5	30.1	24	48.5	27.4	6 mm	R 1/2	RPM BR0603
		42	24.6	10	34.5	14.5	8 mm	R 1/8	RPM BR0800
		46	26.8	14	37	18.2	8 mm	R 1/4	RPM BR0801
		55.5	28.8	19	44.5	22	8 mm	R 3/8	RPM BR0802
		61.5	30.5	24	48.5	27.4	8 mm	R 1/2	RPM BR0803
		42	28.5	10	34.5	14.5	10 mm	R 1/8	RPM BR1000
		46	31	14	37	18.2	10 mm	R 1/4	RPM BR1001
		55.5	31	19	44.5	22	10 mm	R 3/8	RPM BR1002
		61.5	34	24	48.5	27.4	10 mm	R 1/2	RPM BR1003
		46	31.8	14	37	18.2	12 mm	R 1/4	RPM BR1201
		55.5	34	19	44.5	22	12 mm	R 3/8	RPM BR1202
61.5	35.8	24	48.5	27.4	12 mm	R 1/2	RPM BR1203		
Parallel male regulator with adjusting knob - Bidirectional - RPM BG									
							Tube Ø OD	Thread	
		42	21.8	10	36	14.5	4 mm	G 1/8	RPM BG0400
		46	24	14	39.5	18.2	4 mm	G 1/4	RPM BG0401
		42	23	10	36	14.5	6 mm	G 1/8	RPM BG0600
		46	25.5	14	39.5	18.2	6 mm	G 1/4	RPM BG0601
		55	27.1	19	47.5	22	6 mm	G 3/8	RPM BG0602
		61	30.1	24	52	27.4	6 mm	G 1/2	RPM BG0603
		42	24.6	10	36	14.5	8 mm	G 1/8	RPM BG0800
		46	26.8	14	39.5	18.2	8 mm	G 1/4	RPM BG0801
		55	28.8	19	47.5	22	8 mm	G 3/8	RPM BG0802
		61	30.5	24	52	27.4	8 mm	G 1/2	RPM BG0803
		42	28.5	10	36	14.5	10 mm	G 1/8	RPM BG1000
		46	31	14	39.5	18.2	10 mm	G 1/4	RPM BG1001
		55	31	19	47.5	22	10 mm	G 3/8	RPM BG1002
		61	34	24	52	27.4	10 mm	G 1/2	RPM BG1003
		46	31.8	14	39.5	18.2	12 mm	G 1/4	RPM BG1201
		55	34	19	47.5	22	12 mm	G 3/8	RPM BG1202
61	35.8	24	52	27.4	12 mm	G 1/2	RPM BG1203		
Parallel male regulator with adjusting knob - Bidirectional - RPM BG									
							Tube Ø OD	Metric thread	
		32	19.7	8	28	10	4 mm	M5	RPM BG04M5
		32	22.5	8	28	10	6 mm	M5	RPM BG06M5

CONEX PUSH-IN FITTINGS

FLOW REGULATORS

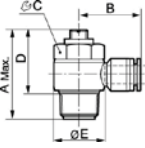
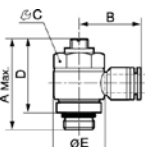
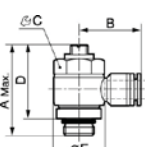
Fluid Air	Temperature 0° C to + 60° C	Construction Body: Polymer Thread: nickel-plated brass	Pressure 0 to 10 bar	Compatible with PA - PU	Diameter Tubes OD 4 to 12 mm	Thread Precoated tapered male Parallel with seal
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							DESCRIPTION		REFERENCE
Tapered male regulator with adjusting screw - Cylinder supply - RPV IR									
							Tube Ø OD	BSP Gas thread	
		33	21.8	10	25.5	14.5	4 mm	R 1/8	RPV IR0400
		41	24	14	32	18.2	4 mm	R 1/4	RPV IR0401
		33	23	10	25.5	14.5	6 mm	R 1/8	RPV IR0600
		41	25.5	14	32	18.2	6 mm	R 1/4	RPV IR0601
		52	27.1	19	41	22	6 mm	R 3/8	RPV IR0602
		57	30.1	24	44	27.4	6 mm	R 1/2	RPV IR0603
		33	24.6	10	25.5	14.5	8 mm	R 1/8	RPV IR0800
		41	26.8	14	32	18.2	8 mm	R 1/4	RPV IR0801
		52	28.8	19	41	22	8 mm	R 3/8	RPV IR0802
		57	30.5	24	44	27.4	8 mm	R 1/2	RPV IR0803
		33	28.5	10	25.5	14.5	10 mm	R 1/8	RPV IR1000
		41	31	14	32	18.2	10 mm	R 1/4	RPV IR1001
		52	31	19	41	22	10 mm	R 3/8	RPV IR1002
		57	34	24	44	27.4	10 mm	R 1/2	RPV IR1003
		41	31.8	14	32	18.2	12 mm	R 1/4	RPV IR1201
		52	34	19	41	22	12 mm	R 3/8	RPV IR1202
57	35.8	24	44	27.4	12 mm	R 1/2	RPV IR1203		
Parallel male regulator with adjusting screw - Inlet - RPV IG									
							Tube Ø OD	Thread	
		32	21.8	10	26.5	14.5	4 mm	G 1/8	RPV IG0400
		39	24	14	33	18.2	4 mm	G 1/4	RPV IG0401
		32	23	10	26.5	14.5	6 mm	G 1/8	RPV IG0600
		39	25.5	14	33	18.2	6 mm	G 1/4	RPV IG0601
		51.5	27.1	19	45	22	6 mm	G 3/8	RPV IG0602
		55.5	30.1	24	47.5	27.4	6 mm	G 1/2	RPV IG0603
		32	24.6	10	26.5	14.5	8 mm	G 1/8	RPV IG0800
		39	26.8	14	33	18.2	8 mm	G 1/4	RPV IG0801
		51.5	28.8	19	45	22	8 mm	G 3/8	RPV IG0802
		55.5	30.5	24	47.5	27.4	8 mm	G 1/2	RPV IG0803
		32	28.5	10	26.5	14.5	10 mm	G 1/8	RPV IG1000
		39	31	14	33	18.2	10 mm	G 1/4	RPV IG1001
		51.5	31	19	45	22	10 mm	G 3/8	RPV IG1002
		55.5	34	24	47.5	27.4	10 mm	G 1/2	RPV IG1003
		39	31.8	14	33	18.2	12 mm	G 1/4	RPV IG1201
		51.5	34	19	45	22	12 mm	G 3/8	RPV IG1202
55.5	35.8	24	47.5	27.4	12 mm	G 1/2	RPV IG1203		
Parallel male regulator with adjusting screw - Inlet - RPV IG									
							Tube Ø OD	Thread	
		25	19.7	8	21	10	4 mm	M5	RPV IG04M5
		25	22.5	8	21	10	6 mm	M5	RPV IG06M5

CONEX PUSH-IN FITTINGS

FLOW REGULATORS

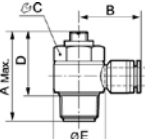
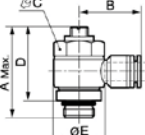
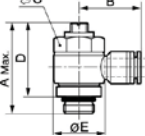
Fluid Air	Temperature 0° C to + 60° C	Construction Body: Polymer Thread: nickel-plated brass	Pressure 0 to 10 bar	Compatible with PA - PU	Diameter Tubes OD 4 to 12 mm	Thread Precoated tapered male Parallel with seal
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Tapered male regulator with adjusting screw - Cylinder exhaust - RPV OR									
							Tube Ø OD	BSP Gas thread	
		33	21.8	10	25.5	14.5	4 mm	R 1/8	RPV OR0400
		41	24	14	32	18.2	4 mm	R 1/4	RPV OR0401
		33	23	10	25.5	14.5	6 mm	R 1/8	RPV OR0600
		41	25.5	14	32	18.2	6 mm	R 1/4	RPV OR0601
		52	27.1	19	41	22	6 mm	R 3/8	RPV OR0602
		57	30.1	24	44	27.4	6 mm	R 1/2	RPV OR0603
		33	24.6	10	25.5	14.5	8 mm	R 1/8	RPV OR0800
		41	26.8	14	32	18.2	8 mm	R 1/4	RPV OR0801
		52	28.8	19	41	22	8 mm	R 3/8	RPV OR0802
		57	30.5	24	44	27.4	8 mm	R 1/2	RPV OR0803
		33	28.5	10	25.5	14.5	10 mm	R 1/8	RPV OR1000
		41	31	14	32	18.2	10 mm	R 1/4	RPV OR1001
		52	31	19	41	22	10 mm	R 3/8	RPV OR1002
		57	34	24	44	27.4	10 mm	R 1/2	RPV OR1003
		41	31.8	14	32	18.2	12 mm	R 1/4	RPV OR1201
		52	34	19	41	22	12 mm	R 3/8	RPV OR1202
57	35.8	24	44	27.4	12 mm	R 1/2	RPV OR1203		
Parallel male regulator with adjusting screw - Cylinder supply - RPV OG									
							Tube Ø OD	Thread	
		33	21.8	10	27.5	14.5	4 mm	G 1/8	RPV OG0400
		40	24	14	34	18.2	4 mm	G 1/4	RPV OG0401
		33	23	10	27.5	14.5	6 mm	G 1/8	RPV OG0600
		40	25.5	14	34	18.2	6 mm	G 1/4	RPV OG0601
		51	27.1	19	44.5	22	6 mm	G 3/8	RPV OG0602
		55.5	30.1	24	47.5	27.4	6 mm	G 1/2	RPV OG0603
		33	24.6	10	27.5	14.5	8 mm	G 1/8	RPV OG0800
		40	26.8	14	34	18.2	8 mm	G 1/4	RPV OG0801
		51	28.8	19	44.5	22	8 mm	G 3/8	RPV OG0802
		55.5	30.5	24	47.5	27.4	8 mm	G 1/2	RPV OG0803
		33	28.5	10	27.5	14.5	10 mm	G 1/8	RPV OG1000
		40	31	14	34	18.2	10 mm	G 1/4	RPV OG1001
		51	31	19	44.5	22	10 mm	G 3/8	RPV OG1002
		55.5	34	24	47.5	27.4	10 mm	G 1/2	RPV OG1003
		40	31.8	14	34	18.2	12 mm	G 1/4	RPV OG1201
		51	34	19	44.5	22	12 mm	G 3/8	RPV OG1202
55.5	35.8	24	47.5	27.4	12 mm	G 1/2	RPV OG1203		
Parallel male regulator with adjusting screw - Cylinder supply - RPV OG									
		25.5	19.7	8	21.5	10	Tube Ø OD	Thread	RPV OG04M5
		25.5	22.5	8	21.5	10	6 mm	M5	RPV OG06M5

CONEX PUSH-IN FITTINGS

FLOW REGULATORS

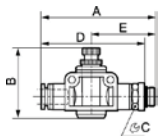
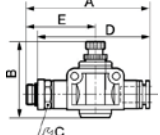
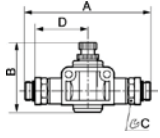
Fluid Air	Temperature 0° C to + 60° C	Construction Body: Polymer Thread: nickel-plated brass	Pressure 0 to 10 bar	Compatible with PA - PU	Diameter Tubes OD 4 to 12 mm	Thread Precoated tapered male Parallel with seal
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							DESCRIPTION		REFERENCE
Tapered male regulator with adjusting screw - Bidirectional - RPV BR									
							Tube Ø OD	BSP Gas thread	
		30	21.8	10	22.5	14.5	4 mm	R 1/8	RPV BR0400
		40	24	14	31	18.2	4 mm	R 1/4	RPV BR0401
		30	23	10	22.5	14.5	6 mm	R 1/8	RPV BR0600
		40	25.5	14	31	18.2	6 mm	R 1/4	RPV BR0601
		48	27.1	19	37	22	6 mm	R 3/8	RPV BR0602
		55.5	30.1	24	42.5	27.4	6 mm	R 1/2	RPV BR0603
		30	24.6	10	22.5	14.5	8 mm	R 1/8	RPV BR0800
		40	26.8	14	31	18.2	8 mm	R 1/4	RPV BR0801
		48	28.8	19	37	22	8 mm	R 3/8	RPV BR0802
		55.5	30.5	24	42.5	27.4	8 mm	R 1/2	RPV BR0803
		30	28.5	10	22.5	14.5	10 mm	R 1/8	RPV BR1000
		40	31	14	31	18.2	10 mm	R 1/4	RPV BR1001
		48	31	19	37	22	10 mm	R 3/8	RPV BR1002
		55.5	34	24	42.5	27.4	10 mm	R 1/2	RPV BR1003
		40	31.8	14	31	18.2	12 mm	R 1/4	RPV BR1201
		48	34	19	37	22	12 mm	R 3/8	RPV BR1202
		55.5	35.8	24	42.5	27.4	12 mm	R 1/2	RPV BR1203
Parallel male regulator with adjusting screw - Bidirectional - RPV BG									
							Tube Ø OD	Thread	
		30	21.8	10	24	14.5	4 mm	G 1/8	RPV BG0400
		37.5	24	14	31	18.2	4 mm	G 1/4	RPV BG0401
		30	23	10	24	14.5	6 mm	G 1/8	RPV BG0600
		37.5	25.5	14	31	18.2	6 mm	G 1/4	RPV BG0601
		46.5	27.1	19	39	22	6 mm	G 3/8	RPV BG0602
		54.5	30.1	24	45.5	27.4	6 mm	G 1/2	RPV BG0603
		30	24.6	10	24	14.5	8 mm	G 1/8	RPV BG0800
		37.5	26.8	14	31	18.2	8 mm	G 1/4	RPV BG0801
		46.5	28.8	19	39	22	8 mm	G 3/8	RPV BG0802
		54.5	30.5	24	45.5	27.4	8 mm	G 1/2	RPV BG0803
		30	28.5	10	24	14.5	10 mm	G 1/8	RPV BG1000
		37.5	31	14	31	18.2	10 mm	G 1/4	RPV BG1001
		46.5	31	19	39	22	10 mm	G 3/8	RPV BG1002
		54.5	34	24	45.5	27.4	10 mm	G 1/2	RPV BG1003
		37.5	31.8	14	31	18.2	12 mm	G 1/4	RPV BG1201
		46.5	34	19	39	22	12 mm	G 3/8	RPV BG1202
		54.5	35.8	24	45.5	27.4	12 mm	G 1/2	RPV BG1203
Parallel male regulator with adjusting screw - Bidirectional - RPV BG									
							Tube Ø OD	Thread	
		26	19.7	8	22	10	4 mm	M5	RPV BG04M5
		26	22.5	8	22	10	6 mm	M5	RPV BG06M5

CONEX PUSH-IN FITTINGS

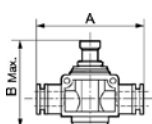
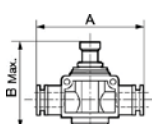
FLOW REGULATORS

Fluid Air	Temperature 0° C to + 60° C	Construction Body: Polymer Thread: nickel-plated brass	Pressure 0 to 10 bar	Compatible with PA - PU	Diameter Tubes OD 4 to 12 mm	Thread Precoated tapered male Parallel with seal
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Unidirectional regulator - Tube/Parallel male thread - RPL PG									
							Tube Ø OD	BSP Gas thread	
		54.1	30	12	48.6	30.1	4 mm	G 1/8	RPL PG0400
		55.5	43	12	50	31	6 mm	G 1/8	RPL PG0600
		56	43	14	50	31.5	6 mm	G 1/4	RPL PG0601
		61.8	47	14	56.3	34.3	8 mm	G 1/8	RPL PG0800
		61.8	47	14	55.8	34.3	8 mm	G 1/4	RPL PG0801
		63.3	47	17	56.8	35.8	8 mm	G 3/8	RPL PG0802
		70.9	54	17	64.9	39.4	10 mm	G 1/4	RPL PG1001
		70.9	54	17	64.4	39.4	10 mm	G 3/8	RPL PG1002
		71.5	54	21	63.5	40	10 mm	G 1/2	RPL PG1003
		81.7	59	19	75.7	44.2	12 mm	G 1/4	RPL PG1201
		81.2	59	19	74.7	43.7	12 mm	G 3/8	RPL PG1202
		82.7	59	21	74.7	45.2	12 mm	G 1/2	RPL PG1203
Unidirectional regulator - Parallel male thread/Tube - RPL TG									
							Tube Ø OD	BSP Gas thread	
		54.1	30	12	48.6	30.1	4 mm	G 1/8	RPL TG0400
		55.5	43	12	50	31	6 mm	G 1/8	RPL TG0600
		56	43	14	50	31.5	6 mm	G 1/4	RPL TG0601
		61.8	47	14	56.3	34.3	8 mm	G 1/8	RPL TG0800
		61.8	47	14	55.8	34.3	8 mm	G 1/4	RPL TG0801
		63.3	47	17	56.8	35.8	8 mm	G 3/8	RPL TG0802
		70.9	54	17	64.9	39.4	10 mm	G 1/4	RPL TG1001
		70.9	54	17	64.4	39.4	10 mm	G 3/8	RPL TG1002
		71.5	54	21	63.5	40	10 mm	G 1/2	RPL TG1003
		81.7	59	19	75.7	44.2	12 mm	G 1/4	RPL TG1201
		81.2	59	19	74.7	43.7	12 mm	G 3/8	RPL TG1202
		82.7	59	21	74.7	45.2	12 mm	G 1/2	RPL TG1203
Unidirectional regulator - Parallel male/Parallel male thread - RPL DG									
							BSP Gas thread	BSP Gas thread	
		49	43	12	19		G 1/8	G 1/8	RPL DG0000
		55	43	14	21.5		G 1/4	G 1/4	RPL DG0101
		63	43	17	25		G 3/8	G 3/8	RPL DG0202
		75	43	21	29.5		G 1/2	G 1/2	RPL DG0303

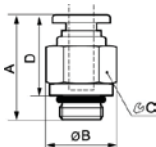
CONEX PUSH-IN FITTINGS

FLOW REGULATORS

Fluid Air	Temperature 0° C to + 60° C	Construction Body: Polymer Thread: nickel-plated brass	Pressure 0 to 10 bar	Compatible with PA - PU	Diameter Tubes OD 4 to 12 mm	Thread Precoated tapered male Parallel with seal		
		A	B	C	D	E	DESCRIPTION	REFERENCE
Unidirectional regulator - Tube/Tube - RPL ET								
							Tube Ø OD	
		38	29				4 mm	RPL ET0404
		49	43				6 mm	RPL ET0606
		55.1	48				8 mm	RPL ET0808
		63	54				10 mm	RPL ET1010
		75	58				12 mm	RPL ET1212
Bidirectional regulator - Tube/Tube - RPO ET								
							Tube Ø OD	
		48	31				Ø 4 mm	RPO ET0404
		49	46				Ø 6 mm	RPO ET0606
		55.1	50				Ø 8 mm	RPO ET0808
		63	53				Ø 10 mm	RPO ET1010
		75	63				Ø 12 mm	RPO ET1212

CONEX PUSH-IN FITTINGS

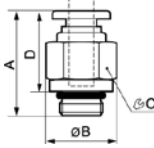
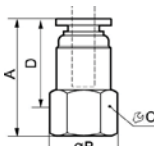
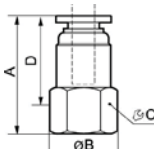
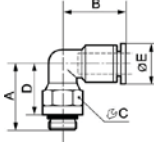
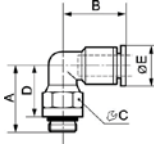
MICRO CONEX

Diameter Tubes OD 3 - 4 - 6 mm	Thread G 1/8 - M3 - M5 Parallel male with seal	Temperature 0 to 60° C	Fluid Air	Pressure 0 to 10 bar	Construction Thread: Nickel-plated brass Body: polymer	Compatible with PU - PA			
		A	B	C	D	E	DESCRIPTION	REFERENCE	
Parallel male Micro straight fitting - RCD MG									
		15	11.5	10	10		Tube Ø OD 4 mm	Thread G 1/8	RCD MG0400
		17.5	11.5	10	12.5		6 mm	G 1/8	RCD MG0600

CONEX PUSH-IN FITTINGS

MICRO CONEX

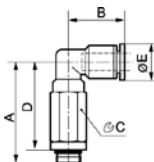
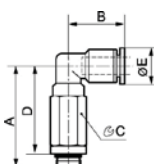
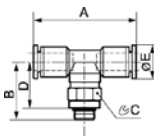
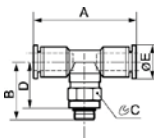
Diameter Tubes OD 3 - 4 - 6 mm	Thread G 1/8 - M3 - M5 Parallel male with seal	Temperature 0 to 60° C	Fluid Air	Pressure 0 to 10 bar	Construction Thread: Nickel-plated brass Body: polymer	Compatible with PU - PA
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Parallel male Micro straight fitting - RCD MG									
							Tube Ø OD	Metric thread	
		15	9.2	8	12		3 mm	M3	RCD MG03M3
		15	9.2	8	11.5		3 mm	M5	RCD MG03M5
		17	9.2	8	14		4 mm	M3	RCD MG04M3
		17.5	9.2	8	14		4 mm	M5	RCD MG04M5
		20	11.5	10	16.5		6 mm	M5	RCD MG06M5
Parallel female Micro straight fitting - RCD FG									
							Tube Ø OD	Thread	
		22.7	14	12	13.7		4 mm	G 1/8	RCD FG0400
		22.7	14	12	13.7		6 mm	G 1/8	RCD FG0600
Parallel female Micro straight fitting - RCD FG									
							Tube Ø OD	Metric thread	
		15.7	9.5	8	11.2		3 mm	M3	RCD FG03M3
		16.2	9.5	8	11.2		3 mm	M5	RCD FG03M5
		18.2	9.5	8	13.7		4 mm	M3	RCD FG04M3
		18.7	9.5	8	13.7		4 mm	M5	RCD FG04M5
		20.2	12	10	15.2		6 mm	M5	RCD FG06M5
Parallel male Micro 90° elbow - RCC MG									
							Tube Ø OD	Thread	
		16.5	15.7	10	9	8.5	4 mm	G 1/8	RCC MG0400
		18.5	16.7	10	11	10.5	6 mm	G 1/8	RCC MG0600
Parallel male Micro 90° elbow - RCC MG									
							Tube Ø OD	Metric thread	
		14.5	12.8	8	11.5	7	3 mm	M3	RCC MG03M3
		15	12.8	8	11.5	7	3 mm	M5	RCC MG03M5
		12.5	15.7	8	9.5	8.5	4 mm	M3	RCC MG04M3
		13	15.7	8	9.5	8.5	4 mm	M5	RCC MG04M5
		18	16.7	10	14.5	10.5	6 mm	M5	RCC MG06M5

CONEX PUSH-IN FITTINGS

MICRO CONEX

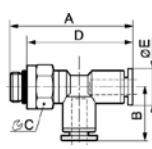
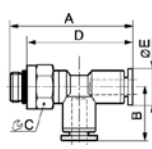
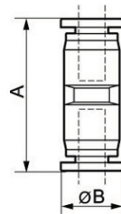
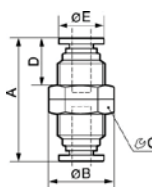
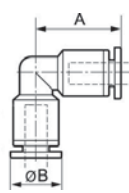
Diameter Tubes OD 3 - 4 - 6 mm	Thread G 1/8 - M3 - M5 Parallel male with seal	Temperature 0 to 60° C	Fluid Air	Pressure 0 to 10 bar	Construction Thread: Nickel-plated brass Body: polymer	Compatible with PU - PA
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Parallel male Micro 90° elbow long - RCC LG									
		35	15.7	10	27.5	8.5	Tube Ø OD	Thread	RCC LG0400
		37.5	16.7	10	30	10.5	6 mm	G 1/8	RCC LG0600
Parallel male Micro 90° elbow long - RCC LG									
		22.5	12.8	8	19.5	7	Tube Ø OD	Metric thread	RCC LG03M3
		23.5	12.8	8	20	7	3 mm	M5	RCC LG03M5
		27	15.7	8	24	8.5	4 mm	M3	RCC LG04M3
		28	15.7	8	24.5	8.5	4 mm	M5	RCC LG04M5
		32	16.5	10	28.5	10.5	6 mm	M5	RCC LG06M5
Micro tee with parallel male centre leg - RCT CG									
		27.6	19.2	10	11.7	8.5	Tube Ø OD	Thread	RCT CG0400
		35	21.7	10	14.2	10.5	6 mm	G 1/8	RCT CG0600
Micro tee with parallel male centre leg - RCT CG									
		23.2	14.5	8	11.5	7	Tube Ø OD	Metric thread	RCT CG03M3
		23.2	15	8	11.5	7	3 mm	M5	RCT CG03M5
		27.6	15.7	8	12.7	8.5	4 mm	M3	RCT CG04M3
		27.6	16.2	8	12.7	8.5	4 mm	M5	RCT CG04M5
		27	21.2	10	17.7	10.5	6 mm	M5	RCT CG06M5

CONEX PUSH-IN FITTINGS

MICRO CONEX

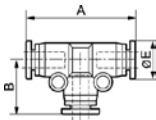
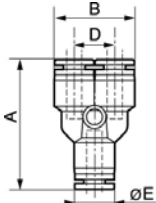
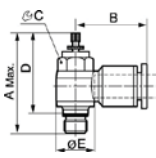
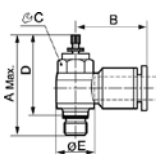
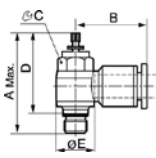
Diameter Tubes OD 3 - 4 - 6 mm	Thread G 1/8 - M3 - M5 Parallel male with seal	Temperature 0 to 60° C	Fluid Air	Pressure 0 to 10 bar	Construction Thread: Nickel-plated brass Body: polymer	Compatible with PU - PA
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Micro tee with parallel male side leg - RCT AG									
		33	13.8	10	25.5	8.5	Tube Ø OD	Thread	RCT AG0400
		39.2	17.5	10	31.7	10.5	4 mm	G 1/8	RCT AG0600
							6 mm	G 1/8	
Micro tee with parallel male side leg - RCT AG									
		26.1	11.6	8	23.1	7	Tube Ø OD	Metric thread	RCT AG03M3
		26.6	11.6	8	23.1	7	3 mm	M3	RCT AG03M5
		29.5	13.8	8	26.5	8.5	3 mm	M5	RCT AG04M3
		30	13.8	8	26.5	8.5	4 mm	M3	RCT AG04M5
		34.7	13.5	10	31.2	10.5	4 mm	M5	RCT AG04M5
							6 mm	M5	RCT AG06M5
Micro union for equal tubes - RCU ET									
		20.5	7				Tube Ø OD		RCU ET0303
		23.4	8.5				3 mm		RCU ET0404
		28	10.5				4 mm		RCU ET0606
							6 mm		
Micro equal union bulkhead fitting - RCU TT									
		23.6	12	10	9	7.2	Tube Ø OD		RCU TT0303
		26.2	14	12	9.5	9.5	3 mm		RCU TT0404
		26.2	16.5	14	9.5	10.7	4 mm		RCU TT0606
							6 mm		
90° Micro equal elbow - RCC ET									
		11.6	7				Tube Ø OD		RCC ET0303
		15.7	8.5				3 mm		RCC ET0404
		17.8	10.5				4 mm		RCC ET0606
							6 mm		

CONEX PUSH-IN FITTINGS

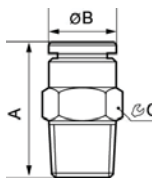
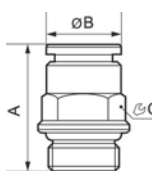
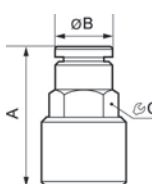
MICRO CONEX

Diameter Tubes OD 3 - 4 - 6 mm	Thread G 1/8 - M3 - M5 Parallel male with seal	Temperature 0 to 60° C	Fluid Air	Pressure 0 to 10 bar	Construction Thread: Nickel-plated brass Body: polymer	Compatible with PU - PA
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Micro equal tee piece - RCT ET									
		23.2	11.6			7	Tube Ø OD 3 mm		RCT ET0303
		27.6	13.8			8.5	4 mm		RCT ET0404
		37	18.5			10.5	6 mm		RCT ET0606
Micro equal y piece - RCY ET									
		29	17		8.5	8.5	Tube Ø OD 4 mm		RCY ET0404
		32	21		10.5	10.5	6 mm		RCY ET0606
Parallel male Micro regulator with adjusting knob - Inlet - RCM IG									
		32	15.2	8	28.5	10	Tube Ø OD 3 mm	Thread M5	RCM IG03M5
		32	18	8	28.5	10	4 mm	M5	RCM IG04M5
Parallel male Micro regulator with adjusting knob - Outlet - RCM OG									
		32	15.2	8	28.5	10	Tube Ø OD 3 mm	Thread M5	RCM OG03M5
		32	18	8	28.5	10	4 mm	M5	RCM OG04M5
Parallel male Micro regulator with adjusting knob - Bidirectional - RCM BG									
		32	15.2	8	28.5	10	Tube Ø OD 3 mm	Thread M5	RCM BG03M5
		32	18	8	28.5	10	4 mm	M5	RCM BG04M5

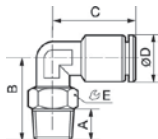
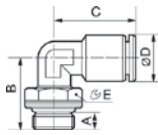
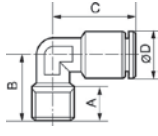
CONEX - PUSH-IN FITTINGS METAL

Construction Nickel-plated brass	Compatible with PA - PU - PE	Fluid Air, Water	Pressure -0.99 to 15 bar low vacuum	Temperature -20°C to +80°C	Thread Precoated tapered male Parallel with seal	Diameter Tubes OD 4 to 14 mm
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Tapered male straight stud - RMD MR									
		20.5	9.8	10			Tube Ø OD	BSP Gas thread	RMD MR0400
		24.5	11.6	12			4 mm	R 1/8	RMD MR0600
		26	11.6	14			6 mm	R 1/4	RMD MR0601
		28	13.5	14			8 mm	R 1/8	RMD MR0800
		27.5	13.5	14			8 mm	R 1/4	RMD MR0801
		27	13.5	17			8 mm	R 3/8	RMD MR0802
		34.5	15.5	17			10 mm	R 1/4	RMD MR1001
		30.3	15.5	17			10 mm	R 3/8	RMD MR1002
		31.5	17.8	19			12 mm	R 3/8	RMD MR1202
		34	17.8	22			12 mm	R 1/2	RMD MR1203
Parallel male straight stud - RMD MG									
		20.5	9.8	11			Tube Ø OD	Thread	RMD MG0400
		22.3	9.8	12			4 mm	G 1/4	RMD MG0401
		27.4	11.6	13			6 mm	G 1/8	RMD MG0600
		26.8	11.6	13			6 mm	G 1/4	RMD MG0601
		28.5	13.5	14			8 mm	G 1/8	RMD MG0800
		27	13.5	15			8 mm	G 1/4	RMD MG0801
		28	13.5	15			8 mm	G 3/8	RMD MG0802
		33.5	15.6	17			10 mm	G 1/4	RMD MG1001
		30.5	15.6	17			10 mm	G 3/8	RMD MG1002
		31.5	15.6	17			10 mm	G 1/2	RMD MG1003
		34.5	17.8	19			12 mm	G 1/4	RMD MG1201
		36	17.8	19			12 mm	G 3/8	RMD MG1202
		33.5	17.8	21			12 mm	G 1/2	RMD MG1203
		38	19.8	23			14 mm	G 3/8	RMD MG1402
		39.5	19.8	23			14 mm	G 1/2	RMD MG1403
Parallel female straight coupling - RMD FG									
		27	9.8	10			Tube Ø OD	Thread	RMD FG0400
		30	11.6	13			6 mm	G 1/8	RMD FG0600
		32.5	11.6	13			6 mm	G 1/4	RMD FG0601
		30.5	13.5	14			8 mm	G 1/8	RMD FG0800
		32.5	13.5	14			8 mm	G 1/4	RMD FG0801
		35.5	15.6	17			10 mm	G 1/4	RMD FG1001

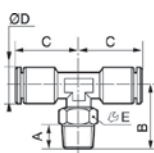
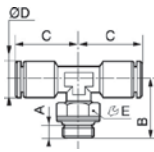
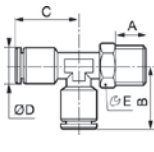
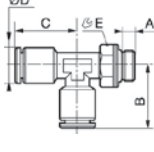
CONEX - PUSH-IN FITTINGS METAL

Construction Nickel-plated brass	Compatible with PA - PU - PE	Fluid Air, Water	Pressure -0.99 to 15 bar low vacuum	Temperature -20°C to +80°C	Thread Precoated tapered male Parallel with seal	Diameter Tubes OD 4 to 14 mm
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Swivel 90° tapered male elbow - RMC MR									
							Tube Ø OD	BSP Gas thread	
		6.2	22	21	10	12	4 mm	R 1/8	RMC MR0400
		8.5	27	21	10	16	4 mm	R 1/4	RMC MR0401
		6.2	22	24	11.8	12	6 mm	R 1/8	RMC MR0600
		11	26	26	11.6	16	6 mm	R 1/4	RMC MR0601
		8	23	26	13.5	12	8 mm	R 1/8	RMC MR0800
		11	26	26	13.5	16	8 mm	R 1/4	RMC MR0801
		11	30	28	13.5	19	8 mm	R 3/8	RMC MR0802
		11	28	30	15.6	16	10 mm	R 1/4	RMC MR1001
		12	31	30	15.6	19	10 mm	R 3/8	RMC MR1002
		12	32	33	17.8	19	12 mm	R 3/8	RMC MR1202
		14	33	34.5	19	22	12 mm	R 1/2	RMC MR1203
14	34.5	36	19.8	22	14 mm	R 1/2	RMC MR1403		
Swivel 90° Parallel male elbow - RMC MG									
							Tube Ø OD	Thread	
		6	21	21	10	13	4 mm	G 1/8	RMC MG0400
		8	17	21	9.8	16	4 mm	G 1/4	RMC MG0401
		6	20	25	11.6	13	6 mm	G 1/8	RMC MG0600
		8	25	25.5	12.5	16	6 mm	G 1/4	RMC MG0601
		6	23	26	13.5	13	8 mm	G 1/8	RMC MG0800
		8	24	26	13.5	16	8 mm	G 1/4	RMC MG0801
		9	30	28	13.5	19	8 mm	G 3/8	RMC MG0802
		8	26	30	15.6	16	10 mm	G 1/4	RMC MG1001
		9	30	30	15.6	19	10 mm	G 3/8	RMC MG1002
		11	32	32	15.6	22	10 mm	G 1/2	RMC MG1003
		8	38	34.5	19	16	12 mm	G 1/4	RMC MG1201
		9	31	33	17.8	19	12 mm	G 3/8	RMC MG1202
		11	32	33	17.8	22	12 mm	G 1/2	RMC MG1203
11	34	36	19.8	22	14 mm	G 1/2	RMC MG1403		
90° rigid tapered male elbow - RMC XR									
							Tube Ø OD	BSP Gas thread	
		6.2	16	21	9.5		4 mm	R 1/8	RMC XR0400
		8	16	24	11.6		6 mm	R 1/8	RMC XR0600
		10	18	23	11.6		6 mm	R 1/4	RMC XR0601
		8	17	26	13.5		8 mm	R 1/8	RMC XR0800
		8.5	20	26	14		8 mm	R 1/4	RMC XR0801
		8.5	22	30.5	14		10 mm	R 1/4	RMC XR1001

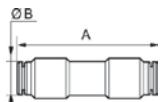
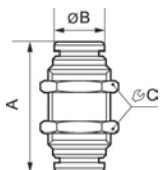
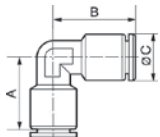
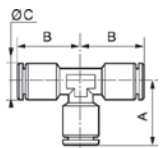
CONEX - PUSH-IN FITTINGS METAL

Construction Nickel-plated brass	Compatible with PA - PU - PE	Fluid Air, Water	Pressure -0.99 to 15 bar low vacuum	Temperature -20°C to +80°C	Thread Precoated tapered male Parallel with seal	Diameter Tubes OD 4 to 14 mm
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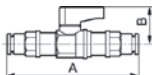
		A	B	C	D	E	DESCRIPTION		REFERENCE
Swivel tapered male centre tee piece - RMT CR									
							Tube Ø OD	BSP Gas thread	
		8	21.5	21	9.8	12	4 mm	R 1/8	RMT CR0400
		11	25	21	9.8	16	4 mm	R 1/4	RMT CR0401
		8	21.5	24	11.6	12	6 mm	R 1/8	RMT CR0600
		11	26	26	11.6	16	6 mm	R 1/4	RMT CR0601
		8	23	26	13.5	12	8 mm	R 1/8	RMT CR0800
		11	26	26	13.5	16	8 mm	R 1/4	RMT CR0801
							8 mm	R 3/8	RMT CR0802
		11	28.5	30.5	15.6	16	10 mm	R 1/4	RMT CR1001
		11	30.5	30.5	15.6	19	10 mm	R 3/8	RMT CR1002
Swivel parallel male centre tee piece - RMT CG									
							Tube Ø OD	Thread	
		6	20.5	21	9.8	13	4 mm	G 1/8	RMT CG0400
		8	23	21	9.8	16	4 mm	G 1/4	RMT CG0401
		6	20.5	24	11.6	13	6 mm	G 1/8	RMT CG0600
		8	24	26	11.6	16	6 mm	G 1/4	RMT CG0601
		6	22	26	13.5	13	8 mm	G 1/8	RMT CG0800
		8	24	26	13.5	16	8 mm	G 1/4	RMT CG0801
		9	30	27.5	13.5	19	8 mm	G 3/8	RMT CG0802
		8	26.5	30.5	15.6	16	10 mm	G 1/4	RMT CG1001
		9	29.5	30.5	15.6	19	10 mm	G 3/8	RMT CG1002
		9	31.5	34	19	19	12 mm	G 3/8	RMT CG1202
		11	32	33	17.8	22	12 mm	G 1/2	RMT CG1203
		11	34.5	37	19.8	22	14 mm	G 1/2	RMT CG1403
Swivel tapered male lateral tee piece - RMT AR									
			22.5	21	9.5		Tube Ø OD	BSP Gas thread	
		8	24	24	11.6	12	6 mm	R 1/8	RMT AR0400
		11	25	26	11.6	16	6 mm	R 1/4	RMT AR0600
		8	27.5	27.5	14.5	12	8 mm	R 1/8	RMT AR0800
			27.5	27.5	14.5		8 mm	R 1/4	RMT AR0801
		11	30.5	30.5	15.6	16	10 mm	R 1/4	RMT AR1001
		11	30.5	30.5	15.6	19	10 mm	R 3/8	RMT AR1002
			35.5	35.5	19		12 mm	R 3/8	RMT AR1202
		14	34.5	34.5	19	22	12 mm	R 1/2	RMT AR1203
Swivel parallel male lateral tee piece - RMT AG									
			22.5	22.5	9.5	15	Tube Ø OD	Thread	
		6	24	24	11.6	13	6 mm	G 1/8	RMT AG0400
		8	25	26	11.6	16	6 mm	G 1/4	RMT AG0600
		6	26	26	13.5	13	8 mm	G 1/8	RMT AG0800
		8	26	26	13.5	16	8 mm	G 1/4	RMT AG0801
		8	30.5	30.5	15.6	16	10 mm	G 1/4	RMT AG1001
		9	30.5	30.5	15.6	19	10 mm	G 3/8	RMT AG1002
		9	33	33	17.8	19	12 mm	G 3/8	RMT AG1202
		11	34.5	34.5	19	22	12 mm	G 1/2	RMT AG1203

CONEX - PUSH-IN FITTINGS METAL

Construction Nickel-plated brass	Compatible with PA - PU - PE	Fluid Air, Water	Pressure -0.99 to 15 bar low vacuum	Temperature -20°C to +80°C	Thread Precoated tapered male Parallel with seal	Diameter Tubes OD 4 to 14 mm
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		A	B	C	D	E	DESCRIPTION	REFERENCE
Equal joiner for tube - RMU ET								
		32.5	9.8				Tube Ø OD 4 mm	RMU ET0404
		40	11.6				6 mm	RMU ET0606
		41	13.5				8 mm	RMU ET0808
		42	15.6				10 mm	RMU ET1010
		50	17.8				12 mm	RMU ET1212
		55.5	19.8				14 mm	RMU ET1414
Bulkhead fitting - RMU TT								
		33	9.8	16			Tube Ø OD 4 mm	RMU TT0404
		40	11.6	17			6 mm	RMU TT0606
		41	13.5	20			8 mm	RMU TT0808
		47	15.6	24			10 mm	RMU TT1010
							12 mm	RMU TT1212
90° equal elbow - RMC ET								
		21	21	9.8			Tube Ø OD 4 mm	RMC ET0404
		22	22	11.6			6 mm	RMC ET0606
		26	26	13.5			8 mm	RMC ET0808
		30	30	15.6			10 mm	RMC ET1010
		34.5	34.5	17.8			12 mm	RMC ET1212
		37	37	19.8			14 mm	RMC ET1414
Equal tee piece - RMT ET								
		21	21	9.8			Tube Ø OD 4 mm	RMT ET0404
		24	24	11.6			6 mm	RMT ET0606
		26	26	13.5			8 mm	RMT ET0808
		30.5	30.5	15.6			10 mm	RMT ET1010
		33.5	33.5	17.8			12 mm	RMT ET1212
		37	37	19.8			14 mm	RMT ET1414

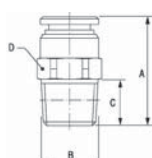
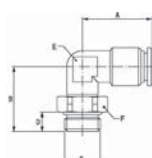
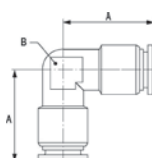
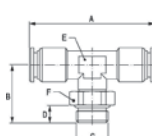
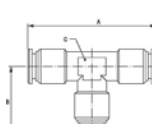
CONEX - PUSH-IN FITTINGS METAL

Construction Nickel-plated brass	Compatible with PA - PU - PE	Fluid Air, Water	Pressure -0.99 to 15 bar low vacuum	Temperature -20°C to +80°C	Thread Precoated tapered male Parallel with seal	Diameter Tubes OD 4 to 14 mm		
		A	B	C	D	E	DESCRIPTION	REFERENCE
Micro valve - Equal Hoses - RMF ET								
							Tube Ø OD	
		69	20				4 mm	RMF ET0404
		81	20				6 mm	RMF ET0606
		83	20				8 mm	RMF ET0808
Tube cutter - R22 CT								
							Specially designed to get a 90° clean cut	
		112	28				Tube cutter	R22 CT
Disconnection tool - R33								
		141	14				Disconnection tool	R22 TD

PUSH FITTINGS

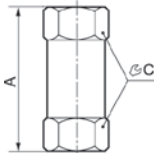
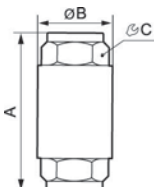
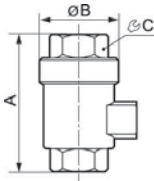
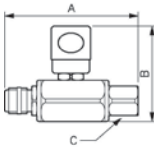
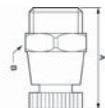
INOX

Construction 316 Stainless Steel	Seal Viton	ID Passage Tubes OD 4, 6, 8 mm	Fluid Air, Water, inert gases	Pressure -0.99 to 16 bar	Temperature -20°C to + 120°C	Food processing pharmaceuticals Chemicals - Waterways
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		A	B	C	D	E	DESCRIPTION	REFERENCE
Tapered straight male stud - RX1								
							For tube BSP Gas thread	
		20.5	7.5	10			4 mm R 1/8	RX1 418
		21.5	7.5	12			6 mm R 1/8	RX1 618
		24.5	11	14			6 mm R 1/4	RX1 614
		27	7.5	14			8 mm R 1/8	RX1 818
		26.5	11	14			8 mm R 1/4	RX1 814
		24.5	11.5	17			8 mm R 3/8	RX1 838
90° swivelling tapered male elbow - RX5								
							For tube BSP Gas thread	
		22	20	5	10	13	Ø OD 4 G 1/8	RX5 418
		23.5	20	5	10	13	Ø OD 6 G 1/8	RX5 618
		23.5	22.5	7	10	17	Ø OD 6 G 1/4	RX5 614
		27.5	21.5	5	13	13	Ø OD 8 G 1/8	RX5 818
		27.5	24	7	13	17	Ø OD 8 G 1/4	RX5 814
		27.5	27.5	8	13	19	Ø OD 8 G 3/8	RX5 838
90° equal elbow - RX6								
							For tube	
		22	10				Ø OD 4	RX6 4
		23.5	10				Ø OD 6	RX6 6
		27.5	13				Ø OD 8	RX6 8
Male tee piece with swivelling tapered centre - RX7								
							For tube BSP Gas thread	
		44	20	5	10	13	Ø OD 4 G 1/8	RX7 418
		47	20	5	10	13	Ø OD 6 G 1/8	RX7 618
		47	22.5	7	10	17	Ø OD 6 G 1/4	RX7 614
		55	21.5	5	13	13	Ø OD 8 G 1/8	RX7 818
		55	24.5	7	13	17	Ø OD 8 G 1/4	RX7 814
		55	27.5	8	13	19	Ø OD 8 G 3/8	RX7 838
Equal tee piece - RX9								
							For tube	
		44	22	10			Ø OD 4	RX9 4
		47	23.5	10			Ø OD 6	RX9 6
		55	27.5	13			Ø OD 8	RX9 8

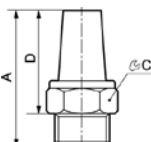
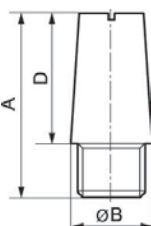
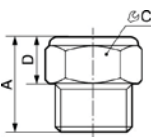
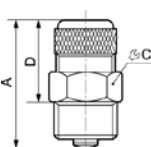
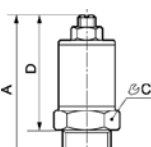
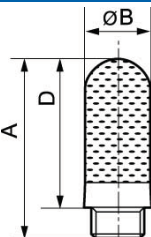
NON-RETURN VALVES

Ease of use Easy to install	Construction Brass and nickled brass	Safety for ringmains	Multiple applications
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		A	B	C	DESCRIPTION		REFERENCE
Non-return check valve - A24							
					Maximum pressure: 10 bar Maximum temperature: 130°C		
		35	15.5	13	G 1/8	Nickel-plated brass	A24 18
		41	20	17	G 1/4	Nickel-plated brass	A24 14
		46	20	23	G 3/8	Brass	A24 38
		50	25	28	G 1/2	Brass	A24 12
Non-return check valve - A24							
					Maximum pressure: 25 bar Maximum temperature: 110°C		
		63.5	42	32	G 3/4	Brass	A24 34
Quick exhaust safety valve - A25							
					Maximum pressure: 10 bar Maximum temperature: 70°C		
		42	28	14	G 1/8	Nickel-plated brass	A25 18
		55	33	19	G 1/4	Nickel-plated brass	A25 14
		61	38	22	G 3/8	Nickel-plated brass	A25 38
		73	43	26	G 1/2	Nickel-plated brass	A25 12
		90	49	32	G 3/4	Nickel-plated brass	A25 34
Flow limiter							
		69	49	15	Reduced inner diameter, reduces flow rate. G 1/4 male/female thread		RG DT14
Manual drain							
		23	15		Manual drain G 1/8		MA 18
		23	15		Manual drain G 1/4		MA 14
		26	17		Manual drain G 3/8		MA 38

EXHAUST SILENCERS

Pressure Max. 12 bar	Noise Lower noise level	Oil mist Eliminated	100% clean air	Construction Sintered bronze filter element excepted partnr.PPP	Multiple applications
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		A	B	C	D	DESCRIPTION		REFERENCE
Parallel thread male exhaust silencer - PPS								
		21		8	16.5	M5 x 0,8	Sintered bronze filter	PPS M5
		28		13	22	G 1/8	Sintered bronze filter	PPS 18
		33.5		16	26	G 1/4	Sintered bronze filter	PPS 14
		42		19	34	G 3/8	Sintered bronze filter	PPS 38
		53		24	43	G 1/2	Sintered bronze filter	PPS 12
		50		30	40	G 3/4	Sintered bronze filter	PPS 34
Parallel thread male silencer - PPB								
		21	11		16	G 1/8	Sintered bronze filter	PPB 18
		27	14		19	G 1/4	Sintered bronze filter	PPB 14
		37	19		28	G 3/8	Sintered bronze filter	PPB 38
		42	22		33	G 1/2	Sintered bronze filter	PPB 12
		55.5	28.5		40	G 3/4	Sintered bronze filter	PPB 34
		70	38		54	G 1	Sintered bronze filter	PPB 01
Parallel thread flat male silencer - PPC								
		9		8	5	M5 x 0,8	Sintered bronze filter	PPC M5
		13		13	7	G 1/8	Sintered bronze filter	PPC 18
		16		16	8	G 1/4	Sintered bronze filter	PPC 14
		16.5		19	8.5	G 3/8	Sintered bronze filter	PPC 38
		18		24	8	G 1/2	Sintered bronze filter	PPC 12
		18		30	8.5	G 3/4	Sintered bronze filter	PPC 34
Parallel thread flat male flow reducer (exhaust) - A26								
		22		12	14.5	G 1/8	Sintered bronze filter	A26 18
		26		15	16.5	G 1/4	Sintered bronze filter	A26 14
		29		22	18.5	G 3/8	Sintered bronze filter	A26 38
Parallel thread male flow reducer (exhaust) - A27								
		43		16	35.5	G 1/8	Sintered bronze filter	A27 18
		43		16	35.5	G 1/4	Sintered bronze filter	A27 14
		58		22	47.5	G 3/8	Sintered bronze filter	A27 38
Parallel thread male silencer - PPP								
		22	6.5		16.5	M5	Polyethylene	PPP M5
		34	12.5		27	G 1/8	Polyethylene	PPP 18
		38	16.5		30	G 1/4	Polyethylene	PPP 14
		67.5	18.5		56.5	G 3/8	Polyethylene	PPP 38
		76	23.5		65	G 1/2	Polyethylene	PPP 12
		133	39.5		117	G 3/4	Polyethylene	PPP 34
		160	50		140	G 1	Polyethylene	PPP 01

brass couplings

COMPRESSION FITTINGS AND OLIVE FITTINGS

COMPRESSION FITTINGS NICKEL-PLATED BRASS:

- Pipe installed on conical guide of coupling
- Fastened with nut
- For polyurethane and polyamide pipes

► **Applications:**

- Compressed air, water, inert fluids, oil
- Maximum pressure: 15 bar

OLIVE FITTINGS NICKEL-PLATED BRASS:

- 3-piece coupling: body, olive and nut
- For steel, aluminium, copper, polyurethane and polyamide pipes

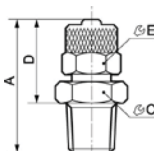
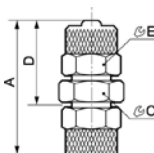
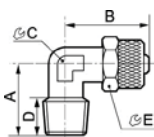
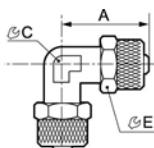
► **Applications:**

- Compressed air, water, inert fluids, oil
- Maximum pressure: 60 bar



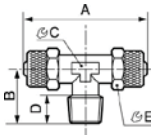
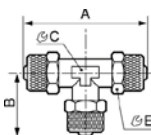
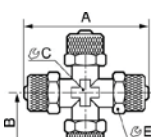
TAPERED FITTINGS

Full-flow fitting 2-piece	Construction Nickel-plated brass	Free passage Water, air, oil	Pressure -0,9 to 20 bar	Temperature -20° C to + 80° C	Compatible with PA - PU - PE - NYLON - PTFE - FEP
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Tapered straight male stud - RB1									
		26.5		12	18.5	12	For tube Ø 6 x 4	BSP Gas thread R 1/8	RB1 618
		30		14	19	12	Ø 6 x 4	R 1/4	RB1 614
		26.5		12	18.5	14	Ø 8 x 6	R 1/8	RB1 818
		30		14	19	14	Ø 8 x 6	R 1/4	RB1 814
		31		17	19.5	14	Ø 8 x 6	R 3/8	RB1 838
		32		14	21	16	Ø 10 x 8	R 1/4	RB1 1014
		33		17	21.5	16	Ø 10 x 8	R 3/8	RB1 1038
		35		17	23.5	19	Ø 12 x 10	R 3/8	RB1 1238
Equal joiner - RB3									
		33		12	19	12	For tube Ø 6 x 4		RB3 6
		30		12	27.5	12	Ø 8 x 6		RB3 8
		37		14	21.5	16	Ø 10 x 8		RB3 10
		42		17	19	19	Ø 12 x 10		RB3 12
90° tapered male elbow - RB5									
		17	22	9	7	12	For tube Ø 6 x 4	BSP Gas thread R 1/8	RB5 618
		20	22	9	10	12	Ø 6 x 4	R 1/4	RB5 614
		18	23	12	8	14	Ø 8 x 6	R 1/8	RB5 818
		20	22	12	10	14	Ø 8 x 6	R 1/4	RB5 814
		21	21	9	12	16	Ø 8 x 6	R 3/8	RB5 838
		20.5	25	12	10	16	Ø 10 x 8	R 1/4	RB5 1014
		22	23	11	12	14	Ø 10 x 8	R 3/8	RB5 1038
		24	31	17	12	19	Ø 12 x 10	R 3/8	RB5 1238
Equal elbow - RB6									
		27.5		9		12	For tube Ø 6 x 4		RB6 6
		29.5		12		14	Ø 8 x 6		RB6 8
		33.5		12		16	Ø 10 x 8		RB6 10

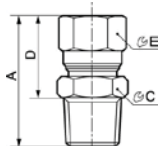
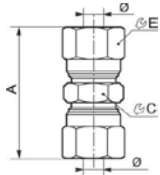
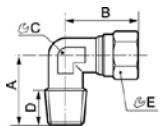
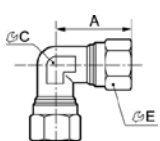
TAPERED FITTINGS

Full-flow fitting 2-piece	Construction Nickel-plated brass	Free passage Water, air, oil	Pressure -0,9 to 20 bar	Temperature -20° C to + 80° C	Compatible with PA - PU - PE - NYLON - PTFE - FEP
------------------------------	-------------------------------------	---------------------------------	----------------------------	----------------------------------	---

		A	B	C	D	E	DESCRIPTION		REFERENCE
Male tee piece with tapered centre - RB7									
							For tube	BSP Gas thread	
		44	17	9	7	12	Ø 6 x 4	R 1/8	RB7 618
		44	20	9	10	12	Ø 6 x 4	R 1/4	RB7 614
		44	20	12	8	14	Ø 8 x 6	R 1/4	RB7 814
		50	21	12	10	16	Ø 10 x 8	R 1/4	RB7 1014
		50	22	12	10	16	Ø 10 x 8	R 3/8	RB7 1038
Equal tee piece - RB9									
							For tube		
		45	22.5	9		12	Ø 6 x 4		RB9 6
		45	22.5	12		14	Ø 8 x 6		RB9 8
		51	25.5	12		16	Ø 10 x 8		RB9 10
		62	31	17		19	Ø 12 x 10		RB9 12
Equal cross piece - RB12									
							For tube		
		45	22.5	8		12	Ø 6 x 4		RB12 6
		45	22.5	10		14	Ø 8 x 6		RB12 8
		51	25.5	11		16	Ø 10 x 8		RB12 10

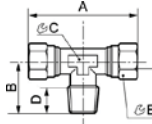
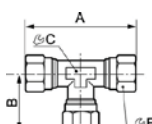
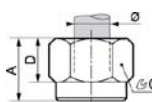
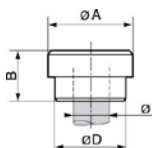
COMPRESSION FITTINGS

Construction Nickel-plated brass body	Free passage Water, air, oil, inert fluids	Pressure - 0,9 to 60 bar	Coupling 3-piece	Compatible with PA - PU - PE - NYLON - PTFE - FEP - COPPER	Temperature - 40° C to + 240° C
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Tapered thread straight male stud - RO1									
		27.5		10	19.5	10	For tube Ø OD 4	BSP Gas thread R 1/8	RO1 418
		28		12	20	12	Ø OD 6	R 1/8	RO1 618
		31		14	20	12	Ø OD 6	R 1/4	RO1 614
		30		12	22	14	Ø OD 8	R 1/8	RO1 818
		33		14	22	14	Ø OD 8	R 1/4	RO1 814
		33.5		17	22	14	Ø OD 8	R 3/8	RO1 838
		38.5		17	27.5	19	Ø OD 10	R 1/4	RO1 1014
		39		17	27.5	19	Ø OD 10	R 3/8	RO1 1038
		38.5		19	27	22	Ø OD 12	R 3/8	RO1 1238
		42		22	28	22	Ø OD 12	R 1/2	RO1 1212
Equal joiner - RO3									
		35		10		10	For tube Ø OD 4		RO3 4
		36		12		12	Ø OD 6		RO3 6
		39		14		14	Ø OD 8		RO3 8
		50		17		19	Ø OD 10		RO3 10
		50		19		22	Ø OD 12		RO3 12
90° Tapered thread male elbow - RO5									
		16	21.5	9	8	10	For tube Ø OD 4	BSP Gas thread R 1/8	RO5 418
		16	22	9	8	12	Ø OD 6	R 1/8	RO5 618
		20	23.5	11	11	12	Ø OD 6	R 1/4	RO5 614
		17	24	11	8	14	Ø OD 8	R 1/8	RO5 818
		20	24	11	11	14	Ø OD 8	R 1/4	RO5 814
		23.5	27	13	12	14	Ø OD 8	R 3/8	RO5 838
		22.5	32	13	11	19	Ø OD 10	R 1/4	RO5 1014
		23.5	32	13	12	19	Ø OD 10	R 3/8	RO5 1038
		24	33.5	15	11.5	22	Ø OD 12	R 3/8	RO5 1238
		30	38	20	13	22	Ø OD 12	R 1/2	RO5 1212
Equal elbow - RO6									
		21.5		9		10	For tube Ø OD 4		RO6 4
		22		9		12	Ø OD 6		RO6 6
		24		11		14	Ø OD 8		RO6 8
		32		13		19	Ø OD 10		RO6 10
		33.5		15		22	Ø OD 12		RO6 12

COMPRESSION FITTINGS

Construction Nickel-plated brass body	Free passage Water, air, oil, inert fluids	Pressure - 0,9 to 60 bar	Coupling 3-piece	Compatible with PA - PU - PE - NYLON - PTFE - FEP - COPPER	Temperature - 40° C to + 240° C
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Male tee piece with threaded centre - RO7									
		41	14	8	8	10	For tube Ø OD 4	BSP Gas thread R 1/8	RO7 418
		44	16	9	8	12	Ø OD 6	R 1/8	RO7 618
		48	20	11	10	12	Ø OD 6	R 1/4	RO7 614
		64	17	11	8	14	Ø OD 8	R 1/8	RO7 818
		67	20	11	10	14	Ø OD 8	R 1/4	RO7 814
Equal tee - RO9									
		43	21.5	9		10	For tube Ø OD 4		RO9 4
		44	22	9		12	Ø OD 6		RO9 6
		48	24	11		14	Ø OD 8		RO9 8
		64	32	13		19	Ø OD 10		RO9 10
		67	33.5	15		22	Ø OD 12		RO9 12
Nut - RO E									
		11		10	8		For tube Ø OD 4		RO E4
		11.5		12	9		Ø OD 6		RO E6
		13		14	10		Ø OD 8		RO E8
		15.5		19	14		Ø OD 10		RO E10
		15.5		22	14		Ø OD 12		RO E12
Olive - RO O									
		5.5	6		5		For tube Ø OD 4		RO O4
		8	7		7.5		Ø OD 6		RO O6
		10	7		9.5		Ø OD 8		RO O8
		13	10		12		Ø OD 10		RO O10
		15	10		14		Ø OD 12		RO O12

cpi range

QUICK COUPLINGS FOR COOLING CIRCUITS

CPI QUICK COUPLINGS FOR MOULDS ON INJECTION PRESSES

- ▶ Connect and disconnect quickly, automatically and dependably with one hand
- ▶ The two full-flow diameters available, 8 mm & 12 mm, provide a maximum flow rate for compact external dimensions
- ▶ The full-flow design eliminates all risk of scaling

SOCKETS

Sockets (female parts) may be flushmounted in moulds for easier handling and storage.



- ▶ Smooth or threaded, sturdy and rigid extension sockets can be positioned easily in moulds.
- ▶ eflon-coated straight sockets ensure an immediate, clean seal.
- ▶ Red and blue rings are available for identifying flows.

PLUGS

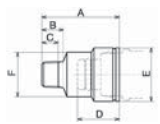
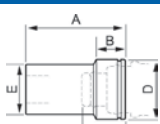
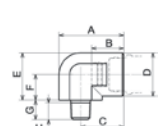
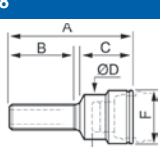
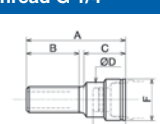
Plugs (male parts) are installed on hoses of injection presses.



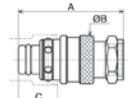
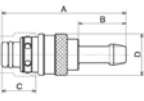
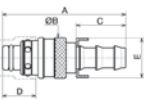
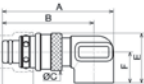
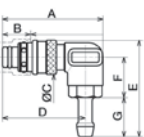
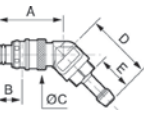
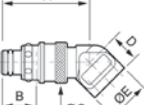
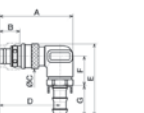
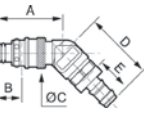
- ▶ A knurled locking ring makes plugs easier to grip.
- ▶ Gaskets are quickly and easily changed.

APPLICATIONS	CONSTRUCTION
> Temperature control of moulds on injection presses for thermoplastics, zamak and other aluminium alloys	> Nickel-plated brass plugs, extensions and sockets
> Cold water, chilled water and hot water circuits	> Nitrile gasket
	> 18/8 stainless steel spring and balls
	> Connections : - dia. 8 mm 6 balls - dia. 12 mm 6 balls

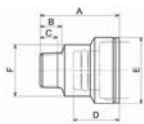
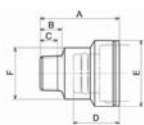
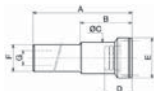
SOCKETS Ø 8 FOR TEMPERATURE CONTROL

ID Passage 8 mm	Free passage	Pressure 10 bar			Temperature -15°C to +90°C			Construction Nickel-plated brass		Flow rate in l/min DP 0,50 bar = 30 l/min	
		A	B	C	D	E	F	G	H	DESCRIPTION	REFERENCE
Straight socket male thread											
		30.5	8.5	6.5	16.4	21	17,5			R 1/8	CPI 081160
		31.5	10.5	9	16.4	21	17,5			R 1/4	CPI 081161
		24	13	11	16.4	21	17.5			R 3/8	CPI 081162
Straight socket male thread PTFE teflon-coated											
		30.5	8.5	6.5	16.4	21	17,5			R 1/8	CPI 081160ET
		31.5	10.5	9	16.4	21	17,5			R 1/4	CPI 081161ET
		24	13	11	16.4	21	17.5			R 3/8	CPI 081162ET
Straight socket female thread											
		35	11	16.4	21	17.5				G 1/8	CPI 081100
		37	10	16.4	21	17.5				G 1/4	CPI 081101
Socket 90° male thread											
		33	16.4	22	22	24	13	10	8,5	R 1/8	CPI 081160RE
		33	16.4	22	22	24	13	12	10	R 1/4	CPI 081161RE
		33	16.4	22	22	24	13	13	11	R 3/8	CPI 081162RE
Socket 135° male thread											
		31	18.5	16.5	10					R 1/8	CPI 081160RO
		30	18.5	16.5	12					R 1/4	CPI 081161RO
			18.5	16.5	12					R 3/8	CPI 081162RO
Socket extender male thread G 1/8											
										Max. length:	
		50	16.5	21	17.5	16.4	21			50 mm	CPI 081050F18
		100	60	21	17.5	16.4	21			100 mm	CPI 081100F18
		150	60	21	17.5	16.4	21			150 mm	CPI 081150F18
One piece socket extender male thread G 1/4											
										Max. length:	
		50	26.5	21	17.5	16.4	21			50 mm	CPI 081050F14
		100	60	21	17.5	16.4	21			100 mm	CPI 081100F14
		150	60	21	17.5	16.4	21			150 mm	CPI 081150F14
		200	60	21	17.5	16.4	21			200 mm	CPI 081200F14
Socket extender - Smooth version - Threading to be cut: R 1/4 or NPT 1/4											
										Min./max. length:	
		100	21	17.5	16.4	21				34 / 100 mm	CPI 081100L14
		150	21	17.5	16.4	21				100 / 150 mm	CPI 081150L14
		200	21	17.5	16.4	21				150 / 200 mm	CPI 081200L14
Colour identification collar Ø 8 mm											
										Red collar	CPI 08BARG
										Blue collar	CPI 08BABL

PLUGS Ø 8 FOR TEMPERATURE CONTROL

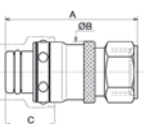
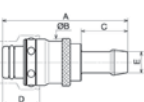
ID Passage 8 mm	Free passage	Pressure 10 bar		Temperature -15°C to +90°C		Construction Nickel-plated brass		Flow rate in l/min DP 0,50 bar = 30 l/min		
		A	B	C	D	E	F	G	DESCRIPTION	REFERENCE
Straight plug female thread										
		44	20	16.4					G 1/4	CPI 086101
Straight plug for hose										
		60	23	16.4	20				Ø 8 mm	CPI 086808
		60	23	16.4	20				Ø 10 mm	CPI 086810
		66	28	16.4	20				Ø 12 mm	CPI 086812
Push-on straight plug for self-locking hose										
		61	20	24.5	16.4	19.4			To be used with LOCKFLEX hose	
		67	20	29	16.4	23.4			Ø 10 mm	CPI 086810CN
									Ø 13 mm	CPI 086813CN
Plug 90° female thread										
		58.9	48.5	20	16.4	26.5	16,5		G 1/4	CPI 086101RE
Plug 90° for hose										
		59	16.4	20	48.5	56.5	23,5	23	Ø 8 mm	CPI 086808RE
		56	16.4	20	48.5	43	10	23	Ø 10 mm	CPI 086810RE
		59	16.4	20	48.5	48	10	28	Ø 12 mm	CPI 086812RE
Plug 135° for hose										
		43	16.4	20	44	20.8			Ø 8 mm	CPI 086808RO
		43	16.4	20	44	20.8			Ø 10 mm	CPI 086810RO
		43	16.4	20	49	20.8			Ø 12 mm	CPI 086812RO
Plug 135° female thread										
		43	16.4	20	14	20.8			G 1/4	CPI 086101RO
Plug 90° for self-locking hose										
		59	16.4	20	48.5	58	23,5	24,5	To be used with LOCKFLEX hose	
		59	16.4	20	48.5	64.5	25,5	29	Ø 10 mm	CPI 086810CNRE
									Ø 13 mm	CPI 086813CNRE
Plug 135° for self-locking hose										
		43	16.4	20	45.5	23.5			To be used with LOCKFLEX hose	
		43	16.4	20	52	28			Ø 10 mm	CPI 086810CNRO
									Ø 13 mm	CPI 086813CNRO
Nitrile spare seal used on plug										
									For plug dia. 8	CPI 08JNTN

SOCKETS Ø 12 FOR TEMPERATURE CONTROL

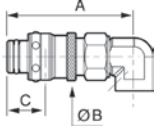
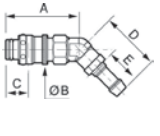
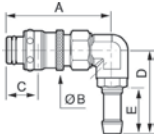
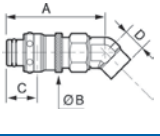
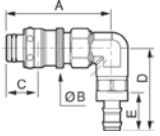
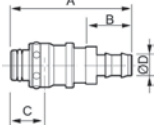
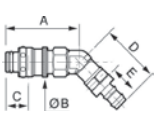
ID Passage 12 mm	Free passage	Pressure 10 bar	Temperature -15°C to +90°C	Construction Nickel-plated brass	Flow rate in l/min DP 0,50 bar = 85 l/min					
		A	B	C	D	E	F	G	DESCRIPTION	REFERENCE
Straight socket male thread										
		38.5	10.5	8.5	22.4	32	25		R 3/8	CPI 121162
		42	14	12	22.4	32	25		R 1/2	CPI 121163
Straight socket male thread PTFE teflon-coated										
		38.5	10.5	8.5	22.4	32	25		R 3/8	CPI 121162ET
		42	14	12	22.4	32	25		R 1/2	CPI 121163ET
Socket extender - Smooth version - Threading to be cut: R 3/8 - NPT 3/8 - R 1/2 or NPT 1/2										
		150	42	25	22.4	32	17,2	12	Min./Max. lenght:	CPI 121150L38
		150	42	25	22.4	32	21,3	12	59 / 150 mm	CPI 121150L12
Colour identification collar Ø 12 mm										
									Red collar	CPI 12BARG
									Blue collar	CPI 12BABL

PLUGS FOR TEMPERATURE CONTROL Ø 12

ID Passage 12 mm	Free passage	Pressure 10 bar	Temperature -15°C to +90°C	Construction Nickel-plated brass	Flow rate in l/min DP 0,50 bar = 85 l/min
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		A	B	C	D	E	DESCRIPTION	REFERENCE
Straight plug female thread								
		50	28	22.4			G 1/2	CPI 126103
Straight plug for hose								
		75	28	28	22.4	12.5	Ø 13 mm	CPI 126813
		75	28	28	22.4	15.5	Ø 16 mm	CPI 126816

PLUGS FOR TEMPERATURE CONTROL Ø 12

ID Passage 12 mm	Free passage	Pressure 10 bar		Temperature -15°C to +90°C		Construction Nickel-plated brass		Flow rate in l/min DP 0,50 bar = 85 l/min
		A	B	C	D	E	DESCRIPTION	REFERENCE
Plug 90° female thread								
		74.5	28	22.4			G 3/8	CPI 126102RE
Plug 135° for hose								
		71	28	22.4	57	33	Ø 13 mm	CPI 126813RO
		71	28	22.4	57	33	Ø 16 mm	CPI 126816RO
Plug 90° for hose								
		74.5	28	22.4	60	33	Ø 13 mm	CPI 126813RE
		74.5	28	22.4	60	33	Ø 16 mm	CPI 126816RE
Plug 135° female thread								
		71	28	22.4	17		G 3/8	CPI 126102RO
Plug 90° for self-locking hose								
		74.5	28	22.4	59.5	28	To be used with LOCKFLEX hose Ø 13 mm	CPI 126813CNRE
		74.5	28	22.4	66.5	35.5	Ø 16 mm	CPI 126816CNRE
Push-on straight plug for self-locking hose								
		76	28	22.4	13		To be used with LOCKFLEX hose Ø 13 mm	CPI 126813CN
		83.5	35.5	22.4	16		Ø 16 mm	CPI 126816CN
Plug 135° for self-locking hose								
		71	28	22.4	56.5	28	To be used with LOCKFLEX hose Ø 13 mm	CPI 126813CNRO
		71	28	22.4	63.5	35	Ø 16 mm	CPI 126816CNRO
Nitrile spare seal used on plug								
							For plug dia. 12	CPI 12JNTN

QUICK COUPLINGS FOR FLUIDS

PREOL, DESIGNED FOR FLUID CONNECTIONS (WATER, OIL, ETC.)

FLUID CONNECTIONS

Couplings and adapters designed for carrying all neutral fluids.

Four ID passage diameters: 6, 9, 12 and 16 mm.



► Applications:

- Cooling circuits
- Water, thermal transfer fluid, oil circuits
- Cleaning, rinsing
- Food processing industry

FLUIDS CARRIED

- Cold water or hot water up to 100°C
- Glycol/water mix
- Hot oil up to 150°C
- Compatible with diesel fuel
- Thermal transfer fluids

SEALING

► Simple:

- self-sealing coupling with brass valve, used with a full-flow adaptor

► Double:

- self-sealing coupling used with a sealing adaptor



► Construction of coupling:

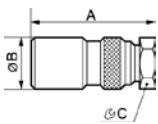
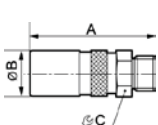
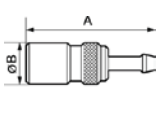
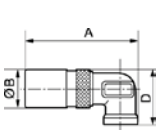
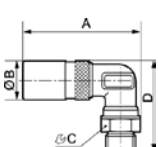
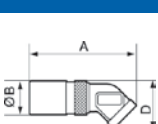
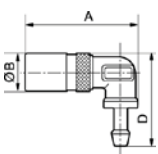
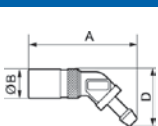
- Body, valve, plug: Brass
- Operating ring:
 - dia. 6, 9 and 12 mm: Stainless steel, 17% chromium
 - dia. 16 mm: Stainless steel, 13% chromium, tempered and chrome plated
- Spring: Stainless steel 1809
- Gasket: PTFE
- O-ring: Viton

► Construction of adaptor:

- Body:
 - dia. 6, 9 and 12 mm: Brass
 - dia. 16 mm: Tempered stainless steel
- Pressure release valve and seal: Brass

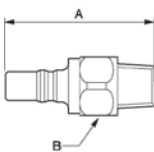
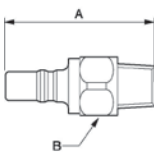
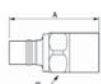
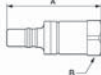
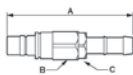
PREOL COUPLINGS

Fluid water, oil, coolant All pH-neutral utilities	ID Passage Ø 6, 9, 12 and 16 mm	Temperature Water: max. 100°C Oil: max. 150°C	Pressure P.N. 16 bar	Construction Coupling: brass body - Bush: Stainless stell, chrome - O-ring: viton
--	------------------------------------	---	-------------------------	--

		A	B	C	D	DESCRIPTION		REFERENCE
Female threaded coupling								
		46	19	17		ID	BSP Gas tapping	
						Ø 6 mm	G 1/4	PREOL 061101
		53	25	22		Ø 9 mm	G 3/8	PREOL 091102
		67	31	27		Ø 12 mm	G 1/2	PREOL 121103
		91	38	35		Ø 16 mm	G 3/4	PREOL 161104
Parallel male threaded coupling								
		55	19	17		ID	BSP Gas	
						Ø 6 mm	G 1/4	PREOL 061151
		61	25	22		Ø 9 mm	G 3/8	PREOL 091152
		72	31	27		Ø 12 mm	G 1/2	PREOL 121153
		90	38	35		Ø 16 mm	G 3/4	PREOL 161154
Hose tail coupling								
		60	19			ID	Hose	
						Ø 6 mm	Ø 8 mm	PREOL 061808
		69	25			Ø 9 mm	Ø 12 mm	PREOL 091812
		82	31			Ø 12 mm	Ø 16 mm	PREOL 121816
		108	38			Ø 16 mm	Ø 19 mm	PREOL 161819
Female threaded coupling 90°								
		57	19		23	ID	BSP Gas tapping	
						Ø 6 mm	G 1/4	PREOL 061101RE
		64.5	25		30	Ø 9 mm	G 3/8	PREOL 091102RE
		80	31		37.5	Ø 12 mm	G 1/2	PREOL 121103RE
Parallel male threaded coupling 90°								
		57	19	17	44	ID	BSP Gas	
						Ø 6 mm	G 1/4	PREOL 061151RE
		64.5	25	21	52	Ø 9 mm	G 3/8	PREOL 091152RE
		80	31	24	61	Ø 12 mm	G 1/2	PREOL 121153RE
Female threaded coupling 135°								
		57.7	19		48.5	ID	BSP Gas tapping	
						Ø 6 mm	G 1/4	PREOL 061101RO
Hose tail coupling 90°								
		57	19		48.5	ID	Hose	
						Ø 6 mm	Ø 8 mm	PREOL 061808RE
		64.5	25		57.5	Ø 9 mm	Ø 10 mm	PREOL 091810RE
		65.5	25		65	Ø 9 mm	Ø 12 mm	PREOL 091812RE
Hose tail coupling 135°								
		72	19		38.5	ID	Hose	
						Ø 6 mm	Ø 8 mm	PREOL 061808RO

PREOL PLUGS

Construction Body Ø 6 - 9 - 12 : Brass Ø 16 : Stainless steel and chromium	ID Passage Ø 6, 9, 12 and 16 mm	Temperature Water : maxi 100 °C Oil : maxi 150 °C	Pressure P.N. 16 bar
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		A	B	C	DESCRIPTION		REFERENCE
Male threaded adaptor with valve							
					ID	BSP Gas thread	
		46	17		Ø 6 mm	G 1/8	PREOL 067150
		46	17		Ø 6 mm	G 1/4	PREOL 067151
		52	19		Ø 9 mm	G 1/4	PREOL 097151
		48	19		Ø 9 mm	G 3/8	PREOL 097152
		37	22		Ø 9 mm	G 1/2	PREOL 097153
		65	24		Ø 12 mm	G 3/8	PREOL 127152
		62	24		Ø 12 mm	G 1/2	PREOL 127153
		46	27		Ø 12 mm	G 3/4	PREOL 127154
		83	32		Ø 16 mm	G 3/4	PREOL 167154
Male threaded adaptor (free passage)							
					ID	BSP Gas thread	
		45	17		Ø 6 mm	R 1/8	PREOL 066160
		35	14		Ø 6 mm	R 1/4	PREOL 066161
		51	19		Ø 9 mm	R 1/4	PREOL 096161
		36	17		Ø 9 mm	R 3/8	PREOL 096162
		37	22		Ø 9 mm	G 1/2	PREOL 096153
		63	24		Ø 12 mm	R 3/8	PREOL 126162
		44	22		Ø 12 mm	R 1/2	PREOL 126163
		46	27		Ø 12 mm	G 3/4	PREOL 126154
		81	32		Ø 16 mm	R 3/4	PREOL 166164
Female threaded adaptor with valve							
		48	19		ID	BSP Gas	
					Ø 9 mm	G 1/4 female	PREOL 097101
Female threaded adaptor (free passage)							
					ID	BSP Gas	
		47	17		Ø 6 mm	G 1/4	PREOL 066101
		48	19		Ø 9 mm	G 1/4	PREOL 096101
		37	22		Ø 9 mm	G 3/8	PREOL 096102
		46.5	27.5		Ø 12 mm	G 1/2	PREOL 126103
		58	32		Ø 16 mm	G 3/4	PREOL 166104
Hose tail adaptor (free passage)							
		143	32	29	ID	ID	
					Ø 16 mm	Ø 19 mm	PREOL 166819

els range

COUPLINGS FOR WATER CIRCUITS

AUTOMATIC, UNIVERSAL COUPLINGS FOR WATER CIRCUIT

ELS couplings are available in two types to suit different water circuit configurations:

► **Sealing:**

The coupling automatically cuts off the water supply when it is disconnected.



► **Full-flow:**

The coupling leaves the water flow open when disconnected. These coupling have a higher flow rate.



APPLICATIONS	FLUIDS CARRIED
> Servicing, cleaning, washing	> Water
> Supply to HP cleaning machines	> Industrial cooling water
> Industrial water circuits	> Washing water
> Cooling water circuits	> Soapy water or with cleaning agents (depending on pH)
> Construction, Public Works	> Not suitable for drinking water
> Food processing industry	> Non-food uses
> Spraying	



FLOW RATE

Flow diameter inside coupling: 9 mm.
Particularly high water flow rate in coupling: 24 or 33 l/min.
The volume of water supplied corresponds to a wide range of uses.

STANDARD CONNECTION

The coupling/adaptor profile is interchangeable with standard couplings.
ELS adaptors and couplings can be used with most existing plastic and brass connectors having the same water passage diameter.



AUTOMATIC CONNECTION

- ▶ Simply push the adaptor into the coupling to connect automatically, without the need to touch the operating ring.
- ▶ Pull the operating ring back to disconnect.

NO LEAKAGE

- ▶ The needle-valve-gasket-spring technology used in the sealing coupling ensures a perfect seal when connecting or disconnecting.
- ▶ The rigorously-designed, highprecision mechanical adjustments ensure that Prevest couplings and adaptors remain highly reliable under pressure even in the toughest conditions.
Withstand intensive use, crushing, impacts, and so on.
- ▶ **Leaktight in use:**
la flat gasket (G 1/2 and G 3/4) is clipped into the thread base on each coupling and adaptor.

ERGONOMIC

- ▶ **Easy handling**
The coupling has a knurled, non-slip operating ring for easier uncoupling.
- ▶ **Safe grip**
The coupling shape, dimensions and material are designed to ensure that it can be easily held and used in all environments.

TECHNICAL CHARACTERISTICS

> MATERIAL

- Body and ring: chrome-plated brass
- Needle: high resistance stainless steel
- Pressure release valve: composite
- Spring: stainless steel
- Gaskets: NBR

> COUPLING SERVICE TEMPERATURE

- With brass adaptor: -15°C to +60°C
- With plastic adaptor: +1°C to +40°C

> MAX. SERVICE PRESSURE

- With Prevest ELP 09 adaptor: 10 bar
- With plastic adaptor: 5 bar

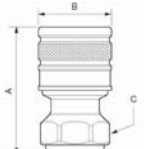
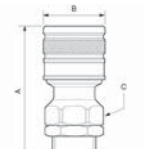
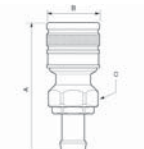
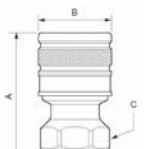
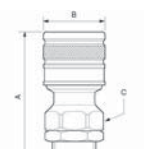
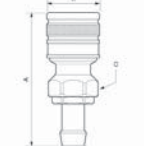
> WATER FLOW RATES

- ΔP: 0.3 bar
- Sealing coupling
+ Prevest adaptor: 24 l/min
- Non-sealing coupling
+ Prevest adaptor: 33.5 l/min

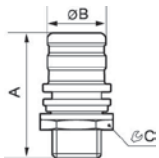
> MATERIAL COMPATIBILITY

- Good resistance:
- in food industry environments: dairies, cheese factories, breweries, slaughterhouses, meat and fish processing and packing facilities, etc
 - to corrosion, in contact with various chemicals (additional information on request)

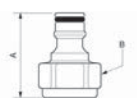
QUICK COUPLINGS FOR WATER SYSTEMS

Fluid Water, Water + detergent, water + antifreeze	ID Passage 9 mm Standard profile	High flow rate Sealing coupling: 24 l/min Valved coupling:33 l/min			Pressure 0 - 10 bar	Temperature -15 to +60°C	Construction Chrome-plated brass Valve : composite	Construction
		A	B	C	DESCRIPTION		REFERENCE	
Straight-through female threaded coupling								
					Flow: delta P 0,3 bar: 33,5 l/min Straight through path			
		61	35	60	G 1/2 female		ELS 090103	
		61	35	60	G 3/4 female		ELS 090104	
		62.5	35	60	G 1 female		ELS 090105	
Straight-through male threaded coupling								
		76	35	30	G 1/2 male		ELS 090153	
		76	35	30	G 3/4 male		ELS 090154	
Straight-through hose coupling								
		89	35	30	Ø 13 mm		ELS 090813	
		89	35	30	Ø 15/16 mm		ELS 090815	
		89	35	30	Ø 19 mm		ELS 090819	
Female threaded valved coupling								
					Flow: delta P 0,3 bar : 24 l/min Shutter coupling: cuts off the flow when disconnected			
		61	35	60	G 1/2 female		ELS 091103	
		61	35	60	G 3/4 female		ELS 091104	
		62.5	35	60	G 1 female		ELS 091105	
Male threaded valved coupling								
		76	35	30	G 1/2 male		ELS 091153	
		76	35	30	G 3/4 male		ELS 091154	
Valved hose coupling								
		89	35	30	Ø 13 mm		ELS 091813	
		89	35	30	Ø 15/16 mm		ELS 091815	
		89	35	30	Ø 19 mm		ELS 091819	

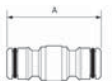
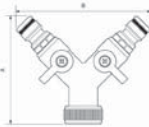
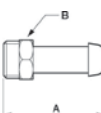
QUICK COUPLINGS FOR WATER SYSTEMS

Fluid Water, Water + detergent, water + antifreeze	ID Passage 9 mm Standard profile	High flow rate Sealing coupling: 24 l/min Valved coupling:33 l/min	Pressure 0 - 10 bar	Temperature -15 to +60°C	Construction Chrome-plated brass Valve : composite	Construction
		A	B	C	DESCRIPTION	REFERENCE
Bulkhead coupling						
					Semi-automatic coupling for water distribution unit.	
		59	30	32	Ø 28 mm - Length 20 mm - G 3/4 thread	ELS 092154

THREADED WATER ADAPTORS

Fluid Water, Water + detergents	ID Passage 9 mm	Standard profile			Pressure Max. 10 bar	Construction Chrome-plated	Resistance to intensive use
		A	B	C	DESCRIPTION	REFERENCE	
Female threaded adaptor							
		42	30		G 1/2 female	ELP 096103	
		42	30		G 3/4 female	ELP 096104	
		60	30		G 1 female	ELP 096105	
Male threaded adaptor							
		57	30		G 1/2 male	ELP 096153	
		57	30		G 3/4 male	ELP 096154	
Hosetail coupling							
		70	30		Ø 13 mm	ELP 096813	
		70	30		Ø 15 mm	ELP 096815	
		70		30	Ø 19 mm	ELP 096819	

THREADED WATER ADAPTORS

Fluid Water, Water + detergents	ID Passage 9 mm	Standard profile			Pressure Max. 10 bar	Construction Chrome-plated	Resistance to intensive use
		A	B	C	DESCRIPTION		REFERENCE
Equal joiner for couplings							
		50			Joins 2 couplings		ELP 096002
Y connector							
		61	68		Joins 3 couplings		ELP 096003
Y connector with built-in shutoff							
		90	103		G 1/2 female		ELP 098103
		90	103		G 3/4 female		ELP 098104
Water-connection kit							
					Including : - 1 valved hose coupling - 2 threaded adaptors G 3/4 BSP - 1 parallel male union G 3/4 x G 1/2 BSP - 1 extender (parallel G 3/4 male ext. - G 1 female int.) - 2 double ear o-clamps Kit for pipe : Ø 13 mm		ELS KITBP13
					Ø 15 mm		ELS KITBP15
					Ø 19 mm		ELS KITBP19
Threaded liner							
		15			Construction : Chrome brass Male G 3/4		EFO 3412
					Female G 1/2		
Threaded stem adaptor							
					Construction: Chrome brass Male G 3/4		EFT 3413
		41	27		For hose ID. 13 mm		
		41	27		ID. 15 mm		
		41	27		ID. 19 mm		

isoflam range

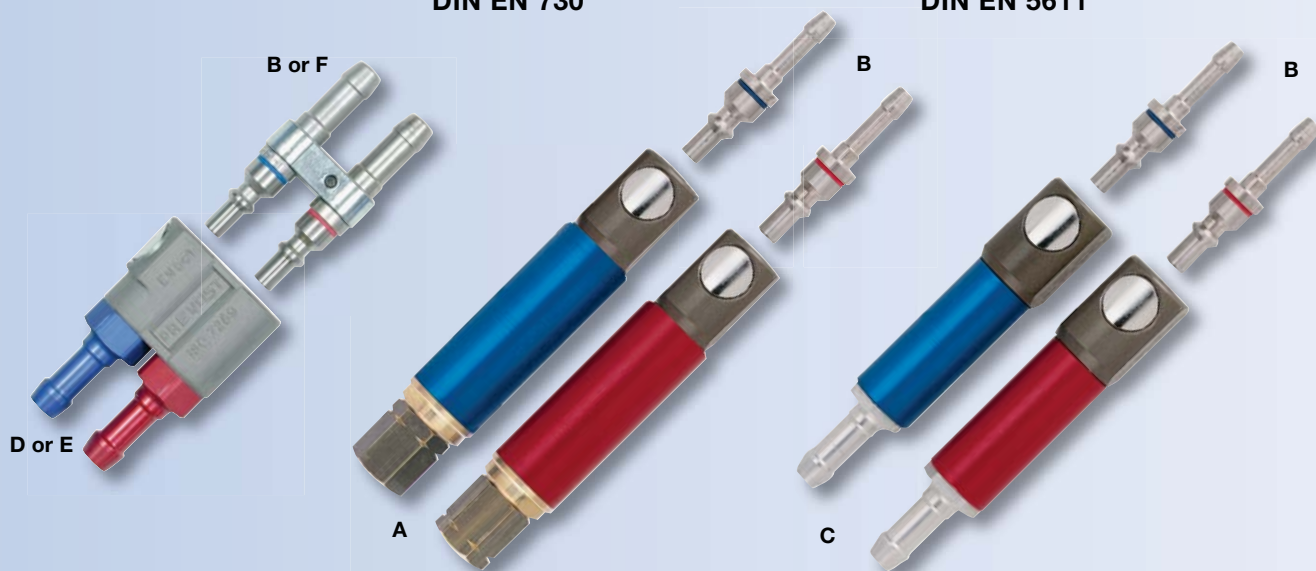
SAFETY COUPLINGS FOR WELDING TORCHES

ISOFLAM SAFETY COUPLINGS, FOR WELDING IN TOTAL SAFETY

Oxyacetylene welding safety couplings offer very high performance to protect users from the hazards stemming from the gases used. ISOFLAM couplings optimise your safety when connecting and disconnecting hoses and welding torches. Prevost also provides hose and coupling assemblies, pre-assembled and sealed, ready for use.

The ISOFLAM range is compliant with:

- ▶ Safety mechanisms compliant with:
 - International standards: **ISO 5175**
 - European standards: **DIN EN 730**
- ▶ Connections mechanisms compliant with:
 - International standards: **ISO 7289**
 - European standards: **DIN EN 5611**





FLAME ANTIRETURN

Stops all explosive blowback.
Compliant with international standards.

GAS ANTI-RETURN

Highly sensitive check valve.
Compliant with international standards.

THERMAL CUT-OUT

The gas supply is automatically cut off in the event of a fire.
Compliant with international standards.

AUTOMATIC VALVE

The gas supply is cut off automatically on uncoupling.

NOT INTERCHANGEABLE

The adaptors used for different gases (acetylene and oxygen) **are not interchangeable**.

COMPATIBLE ADAPTORS

Compliant with ISO standards.

TREATED STEEL

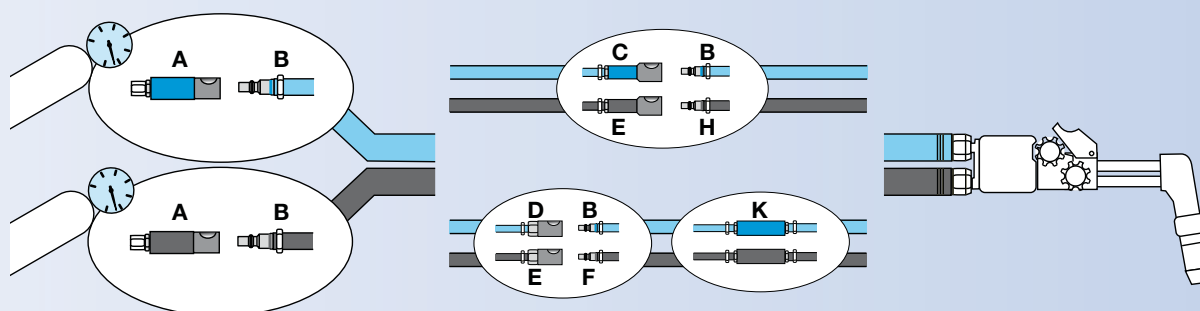
Treated and tempered steel adaptors and couplings.

PUSH BUTTON

Simply push the adaptor into the coupling to connect.
Press the push button to disconnect.

DUAL GASKET

Two gaskets ensure that the adaptor is leaktight.



- | | |
|--------------|--|
| A + B | : protection of cylinders |
| C + B | : single coupling and welder protection, safety mechanisms built into coupling |
| D + B | : single extension for change of welding torch - full-flow coupling |
| K | : safety mechanisms built into hose sleeve |

Max. service pressure
Couplings and adapt
Acetylene: 1.5 bar
Oxygen: 12.5 bar

WELD AND CUT IN TOTAL SAFETY

The ISOFLAM range of couplings is compliant with safety standards:

> Welding safety mechanisms: Normes DIN EN 730 and ISO 5175

The standards lay down specifications for the combustible gas and oxygen used for welding and cutting: gas anti-return, flame anti-return, thermal cut-off and other requirements.

> Sealing connection system for welding: Normes DIN EN 561 and ISO 7289

These standards relate to quick sealing couplings used in welding facilities for manual connections and disconnections under pressure.

- Couplings: oxygen and combustible gas
- Couplings with sealing mechanism on the gas source side
- Not interchangeable between the two gases
- Easy coupling and uncoupling
- Hardness of surface protection and material
- Maximum service pressure 20 bar
- Leaktight
- Pressure drop < 10 %

COMPLETE ASSEMBLIES FOR WELDING INSTALLATIONS

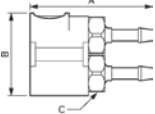
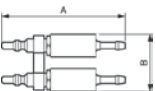
Safety Flashback arrestor - Non-return gas valve	Construction treated steel	Connection according to ISO 7289 - DIN EN 561 standards	Safety according to ISO 5175 - DIN EN 730 standards	Pressure Max. pressure Acetylene: 1,5 bar Oxygen: 12,5 bar
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		DESCRIPTION	REFERENCE	
Safety coupling (screws on to regulator)				
		Cylinder protection assembly Includes: 2 couplings + 2 adaptors 2 'O' clips. Function: against backfires and backgas Function: thermal stop of flow Function: quick coupling		
		INLET regulator side	OUTLET for hose	
		16 x 150	10 x 17	SIK 10316S3
Complete safety coupling				
		Welder protection assembly Includes: 2 couplings + 2 adaptors 4 'O' clips Function: against backfires and backgas Function: quick coupling		
		INLET regulator side	OUTLET for hose	
		6 x 12	6 x 12	SIK 0606
		10 x 17	6 x 12	SIK 1006
		10 x 17	10 x 17	SIK 1010

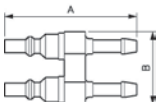
COMPLETE ASSEMBLIES FOR WELDING INSTALLATIONS

Safety Flashback arrestor - Non-return gas valve	Construction treated steel	Connection according to ISO 7289 - DIN EN 561 standards	Safety according to ISO 5175 - DIN EN 730 standards	Pressure Max. pressure Acetylene: 1,5 bar Oxygen: 12,5 bar
		DESCRIPTION	REFERENCE	
Double safety coupling and adaptor				
		Welder protection assembly Includes: 2 couplings + 2 adaptors 4 'O' clips Function: against backfires and backgas Function: quick coupling		
		INLET regulator side	OUTLET for hose	
		6 x 12	6 x 12	SIK 0606DS
		10 x 17	6 x 12	SIK 1006DS
		10 x 17	10 x 17	SIK 1010DS
Double coupling (free passage) for extension lines				
		Coupling assembly (free passage) for extension lines Includes: 2 couplings + 2 adaptors. 4 'O' clips. Function: quick coupling		
		INLET regulator side	OUTLET for hose	
		6 x 12	6 x 12	SIK 0606DR
		10 x 17	6 x 12	SIK 1006DR
		10 x 17	10 x 17	SIK 1010DR
Single coupling and adaptor (free passage) for extension lines				
		Coupling assembly (free passage) for extension lines Includes: 2 couplings + 2 adaptors. 4 'O' clips. Function: quick coupling		
		INLET regulator side	OUTLET for hose	
		6 x 12	6 x 12	SIK 0606MR
		10 x 17	6 x 12	SIK 1006MR
		10 x 17	10 x 17	SIK 1010MR

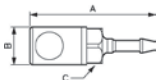
DOUBLE COUPLINGS AND PLUGS FOR WELDING

Use welding and cutting	Fluid Oxygen, acetylene	Quick coupling with shut-off valve			Safety	
		A	B	C	DESCRIPTION	REFERENCE
Double extension coupling						
					Oxygen and acetylene Function: quick coupling	
		70	47	20	For tube Ø 6 mm	SIJ 061806K
		70	47	20	For tube Ø 10 mm	SIJ 061810K
Double safety adaptor						
					Oxygen and acetylene Function: against backfires and backgas Function: quick coupling	
		114	44		For tube Ø 6 mm	SIJ 066806S2K
		114	44		For tube Ø 10 mm	SIJ 066810S2K

DOUBLE COUPLINGS AND PLUGS FOR WELDING

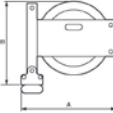
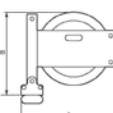
Use welding and cutting	Fluid Oxygen, acetylene	Quick coupling with shut-off valve	Safety		
	A	B	C	DESCRIPTION	REFERENCE
Double adaptor (free adaptor)					
				Oxygen and acetylene Function: quick coupling	
		70	38	For hose Ø 6 mm	SIJ 066806K
		70	38	For tube Ø 10 mm	SIJ 066810K

SINGLE SAFETY COUPLING AND ADAPTORS FOR WELDING

Use welding and cutting	Fluid oxygen, acetylene				Safety	Quick coupling function
		A	B	C	DESCRIPTION	REFERENCE
Cylinder protection coupling						
					Oxygen and acetylene Functions: against backfires and backgas Function: thermal stop of flow Function: quick coupling	
		131	26		16 x 150 tapping	SIC 061316S3
		131	26		G 3/8 tapping	SIC 061102S3
ID hose tail adaptor						
		59			Oxygen and acetylene Function: quick coupling	
					For Ø 6 mm hose	SIC 066806K
		59			For Ø 10 mm hose	SIC 066810K
Welder protection coupling						
		116	22		Oxygen and acetylene Functions: against backfires and backgas Function: quick coupling	
					For Ø 6 mm hose	SIC 061806S2K
		116	22		For Ø 10 mm hose	SIC 061810S2K
Extension coupling						
		70	22	20	Oxygen and acetylene Function: quick coupling	
					For Ø 6 mm hose	SIC 061806K
		70	22	20	For Ø 10 mm hose	SIC 061810K
Spool piece check valve						
		103	22		Oxygen and acetylene Functions: against backfires and backgas	
					Ø 6 mm hose inlet - Ø 6 mm hose outlet	SIC 069806806K
		103	22		Ø 10 mm hose inlet - Ø 6 mm hose outlet	SIC 069810806K
		103	22		Ø 10 mm hose inlet - Ø 10 mm hose outlet	SIC 069810810K

WELDING HOSE REELS

Temperature 60 °C	Construction Epoxy-coated steel	Pressure of hose reel 20 bar	Safety	Use Welding, cutting out	Fluid Oxygen, Acetylene	Hose locking	Easy to reel and unreel
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		A	B	Diameter ID/OD in mm	Swivel inlet BSP Gas	Length m	Outlet	Mounting bracket included	REFERENCE
DGO series - Twin-line welding hoses without safety coupling ISOFLAM									
		485	480	10 x 17	Oxygen: G 3/8 female right Acetylene: G 3/8 female left	15	10 x 17	Rigid	DGO 1015OA
DGO series - Twin-line welding hoses with safety coupling ISOFLAM									
		485	480	10 x 17	Oxygen: G 3/8 female right Acetylene: G 3/8 female left	15	Oxygen : Isoflam safety coupling welder protection SIO 061810S2 Acetylene : Isoflam safety coupling welder protection SIA 061810S2	Rigid	DGO 1015SIC

SAFETY EXTENSION HOSES

Airtight sealed	Use welding	Fluid oxygen, acetylene	Safety equipment
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		Inlet	Outlet	REFERENCE
Complete welding extension hose (screws on to fitted, sealed check valve)				
		Welder protection Includes: 2 joiners, 10 m twin welding hose, 2 safety couplings against backfires and backgas 4 'O' clips Function : against backfires and backgas Function : Quick coupling		
		10 x 150	6 x 12	SIR 06S2
		10 x 150	10 x 17	SIR 10S2
Welding spool piece (screws on to fitted, sealed welding torch)				
		Includes: 2 adaptors, 0,8 m twin welding hose, 2 joiners, 4 'O' clips Function : Quick coupling		
		6 x 12	16 x 150	SIM 06
		6 x 12	12 x 100	SIM 0612
		10 x 17	16 x 150	SIM 10

hydraulic

HYDRAULIC QUICK COUPLING

HYDRAULIC POWER UNDER CONTROL

APPLICATION

- ▶ Couplings for connecting and disconnecting high pressure and very high pressure hydraulic circuits and brake circuits

AGRICULTURE

- ▶ Tractors, trailers
- ▶ Agricultural accessories and machinery
- ▶ Insecticide transport
- ▶ Trailer mounting and accessories for automatic disconnection
- ▶ Brake circuits

INDUSTRY

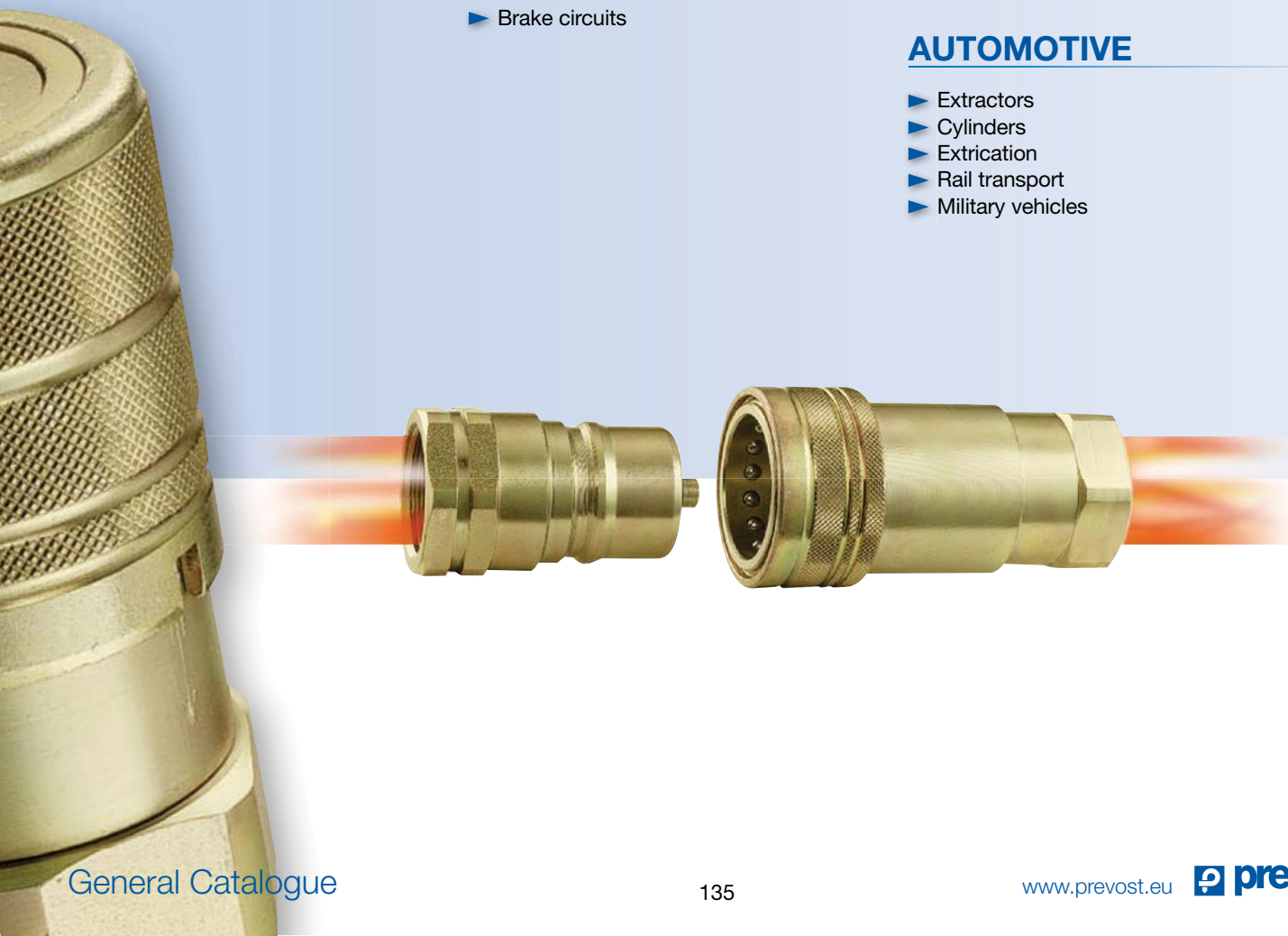
- ▶ Jacks, pumps, distributors
- ▶ Hydraulic tools
- ▶ Coolant transport
- ▶ Ambient decontamination and circuit decontamination connections
- ▶ Hydraulic fluid protection

PUBLIC WORKS

- ▶ Core drills, rotary hammers, pneumatic hammers
- ▶ racked vehicles, cranes, snowploughs
- ▶ Diggers, bulldozers

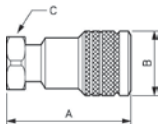
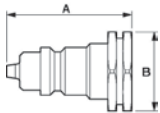
AUTOMOTIVE

- ▶ Extractors
- ▶ Cylinders
- ▶ Extraction
- ▶ Rail transport
- ▶ Military vehicles

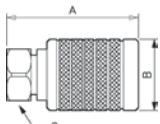
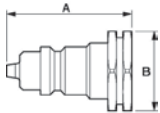


HYDRAULIC PUSH FITTINGS WITH VALVE LOCK ISO SERIE A

Valve locking mechansim	Agricultural applications	Industrial application	Construction Zinc-plated steel	Nitrile NBR rubber seal NBR	Temperature -25° to +125°C	Construction PTFE anti- extrusion ring
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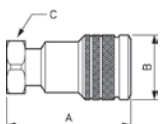
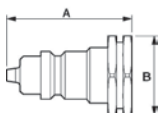
		A	B	C	Female thread	Diameter nominal	Pressure max in bar	Flow rate Hidraulic flow in l/min	REFERENCE
A-Series hydraulic fittings									
		49	26	19	1/4	6	350	4	HCA 061101
		60.5	30	22	3/8	10	300	14	HCA 101102
		70	38	27	1/2	13	250	24	HCA 131103
		84.5	45	34	3/4	20	250	45	HCA 201104
		99	52	41	1	25	200	72	HCA 251105
		70	38	27	22 x 150	13	300	24	HCA 131221
A-Series hydraulic adaptors									
		35	19		1/4	6	350	4	HCA 066101
		42.5	22		3/8	10	300	14	HCA 106102
		48	27		1/2	13	250	24	HCA 136103
		57	34		3/4	20	250	45	HCA 206104
		65.5	41		1	25	250	72	HCA 256105
		48	27		22 x 150	13	250	24	HCA 136221

HYDRAULIC PUSH-PULL FITTINGS WITH VALVE LOCK - ISO SERIE A

Agricultural applications	Industrial application	Nitrile NBR rubber seal NBR			Valve locking mechansim	Temperature -25° to +125°C	Construction Zinc-plated steel	Construction PTFE anti- extrusion ring	
		A	B	C	Female thread	Diameter nominal	Pressure max in bar	Flow rate hidraulic in l/min	REFERENCE
A-Series hydraulic Push-Pull couplings									
		70	38	27	1/2	13	250	24	HPA 131103
		70	38	27	22 x 150	13	250	24	HPA 131221
A-Series hydraulic adaptors									
		35	19		1/4	6	350	4	HCA 066101
		42.5	22		3/8	10	300	14	HCA 106102
		48	27		1/2	13	250	24	HCA 136103
		57	34		3/4	20	250	45	HCA 206104
		65.5	41		1	25	250	72	HCA 256105
		48	27		22 x 150	13	250	24	HCA 136221

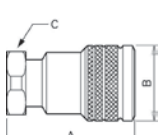
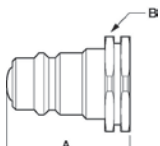
INTERCHANGEABLE HYDRAULIC FITTINGS WITH VALVE LOCK MECHANISM

Valve locking mechansim	Agricultural applications	Industrial application	Construction Zinc-plated steel	Nitrile NBR rubber seal NBR	Temperature -25° to +125°C	Construction PTFE anti- extrusion ring
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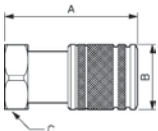
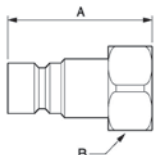
		A	B	C	Female thread BSP Gas	Diameter nominal	Pressure max in bar	Flow rate hidraulic in l/min	REFERENCE
Interchangeable hydraulic couplings with valve lock mechanism									
		55.5	27	19	1/4	6	350	6,5	HCG 061101
		63	34	24	3/8	10	350	16	HCG 101102
		86	47	34	3/4	20	250	45	HCG 201104
Interchangeable hydraulic adaptors with valve lock mechanism									
		38	19		1/4	6	350	6,5	HCG 066101
		42.5	24		3/8	10	300	16	HCG 106102
		57	34		3/4	20	250	45	HCG 206104

INTERCHANGEABLE HYDRAULIC FITTINGS WITH BALL LOCK MECHANISM

Ball lock mechanism	Agricultural applications	Industrial application	Construction Zinc-plated steel	Nitrile NBR rubber seal NBR	Temperature -25° to +125°C	Construction PTFE anti-extrusion ring
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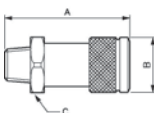
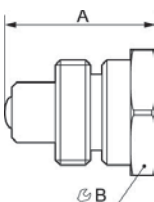
		A	B	C	Female thread BSP Gas	Diameter nominal	Pressure max in bar	Flow rate hydraulic in l/min	REFERENCE
Interchangeable hydraulic couplings with ball lock mechanism									
		55.5	27	19	1/4	6	350	4	HBG 061101
		63	34	24	3/8	10	250	8	HBG 101102
		70	38	27	1/2	13	210	19	HBG 131103
		86	47	34	3/4	20	250	36	HBG 201104
Interchangeable hydraulic adaptors with ball lock mechanism									
		38	19		1/4	6	250	4	HBG 066101
		42.5	24		3/8	10	250	8	HBG 106102
		48	27		1/2	13	210	19	HBG 136103
		57	34		3/4	20	250	36	HBG 206104

NON-SPILL HYDRAULIC COUPLINGS WITH FLAT ENDS

Agricultural applications	Industrial application	Construction High-resistance steel	Nitrile NBR seal, PTFE anti-extrusion ring		Temperature -25° to +125°C	Safety No spillage if accidentally disconnected	Compatible profile		
		A	B	C	Female thread BSP Gas	Diameter nominal	Pressure max in bar	Flow rate hydraulic in l/min	REFERENCE
Hydraulic couplings with flat face									
		52.5	27	22	1/4	6	200	8	HFP 061101
		66	30	27	3/8	13	250	18	HFP 131102
		71.5	30	27	1/2	13	250	18	HFP 131103
		78.5	38	32	1/2	20	200	27	HFP 201103
		84	38	36	3/4	20	200	27	HFP 201104
		86	48	46	3/4	25	200	60	HFP 251104
		87.5	48	46	1	25	200	60	HFP 251105
Hydraulic adaptors with flat face									
		53.5	22		1/4	6	200	8	HFP 066101
		63.5	27		3/8	13	250	18	HFP 136102
		67.5	27		1/2	13	250	18	HFP 136103
		76	32		1/2	20	200	27	HFP 206103
		72	36		3/4	20	200	27	HFP 206104
		82	46		3/4	25	200	60	HFP 256104
		84.5	46		1	25	200	60	HFP 256105

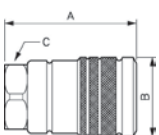
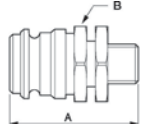
THREADED HYDRAULIC HIGH-PRESSURE COUPLINGS

Threaded	Ball lock mechanism	Construction High-resistance steel	Nitrile NBR seal, PTFE anti-extrusion ring	Temperature -25° to +125°C	Compatible profile	Use Auto : cylinders, press extractors
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		A	B	C	Thread NPT	Diameter nominal	Pressure max in bar	Flow rate hidraulic in l/min	REFERENCE
Threaded hydraulic high-pressure couplings									
		60	30	21.5	1/4 NPTM	6	700	3.8	HBC 061251
		71	35	23.5	3/8 NPTM	10	700	6	HBC 101252
Threaded hydraulic high-pressure adaptors									
		39	19		NPTF 1/4	6	700	3,8	HBC 066201
		40.5	32		NPTF 3/8	10	700	6	HBC 106202

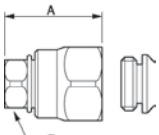
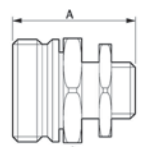
HYDRAULIC BRAKE VALVES

Agricultural applications	Public works	Automatic connection	Construction Zinc-plated steel	Nitrile NBR seal, PTFE anti-extrusion ring	Temperature -25° to +125°C	Connect directly to brake system
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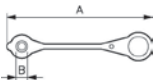
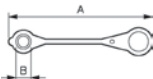
		A	B	C	Diameter nominal	Pressure max in bar	Flow rate hydraulic in l/min	Thread	REFERENCE
Brake valve coupling									
		55.5	44	27	51	150	15	18 x 150 female	HVF 131181
Brake valve adaptor									
		52	32		51	150	15	18 x 150 male	HVF 136181

THREADED VALVES FOR AGRICULTURAL MACHINERY

Connections for agricultural machinery	Threaded	Agricultural applications	Construction Zinc-plated steel	Nitrile NBR seal, PTFE anti-extrusion ring	Temperature -25° to +125°C
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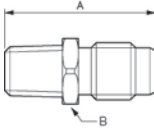
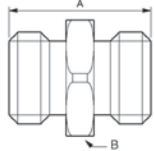
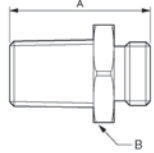
		A	B	Diameter nominal	Pressure max in bar	Flow rate hydraulic in l/min	Thread	REFERENCE
Valve fitting for agricultural machinery								
		54	22	51	200	15	18 x 150 female	HVV 131181
Valve adaptor for agricultural machinery								
		49	36	51	200	15	18 x 150 male	HVV 136181

DUST PLUGS AND CAPS FOR HYDRAULIC FITTINGS

Flexible PVC		Colour Red			Protection from dust and other contaminants		
		A	B	Diameter nominal	For coupling Series	For adaptor Series	REFERENCE
Dust plugs (couplings)							
		157	12	6	HCA		HBP 061A
		161	18	10	HCA		HBP 101A
		295	23	13	HCA		HBP 131A
		105	45	13	HPA		HBP 131PP
		230	17	6	HCG - HBG		HBP 061G
		243	20	10	HCG - HBG		HBP 101G
		236	32	13	HFP		HBP 131FP
		245	38	20	HFP		HBP 201FP
		171	30	13	HVF		HBP 131VF
		173	36	13	HVV		HBP 131VV
Dust caps (adaptors)							
		157	16	6		HCA	HBP 066A
		161	22	10		HCA	HBP 106A
		305	25	13		HCA	HBP 136A
		235	24	13		HPA	HBP 136PP
		250	16	6		HCG - HBG	HBP 066G
		250	21	6		HCG - HBG	HBP 106G
		203	24	13		HFP	HBP 136FP
		240	30	20		HFP	HBP 206FP

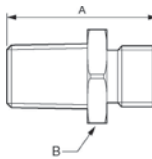
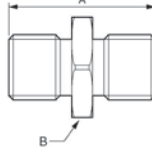
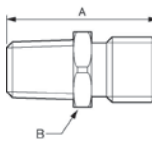
STEEL STUD FITTINGS

HIGH PRESSURE

Construction S 300 Steel		Construction Zinc-plated steel		Max.pressure Indicated in bar			
		A	B	DESCRIPTION		REFERENCE	
Straight hydraulic stud fittings - HNJ							
				Bar	NPTM	JIC 37°	
		30	13	440	NPT 1/8	7/16"	HNJ 250716
		30	14	440	NPT 1/8	1/2"	HNJ 25012
		34	14	420	NPT 1/4	7/16"	HNJ 251716
		34	14	420	NPT 1/4	1/2"	HNJ 25112
		34	17	350	NPT 1/4	9/16"	HNJ 251916
		38	19	350	NPT 1/4	3/4"	HNJ 25134
		35	19	310	NPT 3/8	7/16"	HNJ 252716
		35	19	310	NPT 3/8	1/2"	HNJ 25212
		35	19	310	NPT 3/8	9/16"	HNJ 252916
		38	19	310	NPT 3/8	3/4"	HNJ 25234
		41	24	310	NPT 3/8	7/8"	HNJ 25278
		41	22	290	NPT 1/2	9/16"	HNJ 253916
		44	22	290	NPT 1/2	3/4"	HNJ 25334
		46	24	290	NPT 1/2	7/8"	HNJ 25378
		45	27	250	NPT 3/4	3/4"	HNJ 25434
Straight hydraulic stud fittings - HDD							
				Bar	DIN	DIN	
		26	14	330	14/150	14/150	HDD 141
		26	17	310	16/150	16/150	HDD 161
		27	19	250	18/150	18/150	HDD 181
		32	22	250	22/150	22/150	HDD 221
		33	27	200	26/150	26/150	HDD 261
		34	30	200	30/150	30/150	HDD 301
Straight hydraulic stud fittings - HGD							
				Bar	Tapered Gas	DIN	
		30	14	330	R 1/4	14/150	HGD 14141
		30	17	310	R 1/4	16/150	HGD 14161
		30	17	310	R 3/8	16/150	HGD 38161
		31	19	250	R 3/8	18/150	HGD 38181
		37	22	250	R 1/2	18/150	HGD 12181
		39	22	250	R 1/2	22/150	HGD 12221
		40	27	200	R 1/2	26/150	HGD 12261
		40	27	200	R 3/4	26/150	HGD 34261
		41	27	200	R 3/4	30/150	HGD 34301
		45	36	200	R 1	30/150	HGD 01301

STEEL STUD FITTINGS

HIGH PRESSURE

Construction S 300 Steel		Construction Zinc-plated steel		Max. pressure Indicated in bar				
		A	B	DESCRIPTION		REFERENCE		
Straight hydraulic stud fittings - HGB								
				Bar	Tapered Gas	Parallel BSP Gas		
		26	13	440	R 1/8	G 1/8		
		28	14	440	R 1/8	G 1/4		
		32	14	420	R 1/4	G 1/8		
		32	14	420	R 1/4	G 1/4		
		34	17	350	R 1/4	G 3/8		
		32	17	310	R 3/8	G 1/4		
		34	17	310	R 3/8	G 3/8		
		38	22	310	R 3/8	G 1/2		
		41	22	290	R 1/2	G 3/8		
		43	22	290	R 1/2	G 1/2		
		46	27	250	R 1/2	G 3/4		
		46	27	250	R 3/4	G 3/4		
		49	36	200	R 3/4	G 1		
		53	36	200	R 1	G 1		
Straight hydraulic stud fittings - HBB								
				Bar	Parallel BSP Gas	Parallel BSP Gas		
		26	13	440	G 1/8	G 1/8		
		28	14	420	G 1/8	G 1/4		
		30	14	420	G 1/4	G 1/4		
		32	17	350	G 1/4	G 3/8		
		34	17	350	G 3/8	G 3/8		
		38	22	310	G 3/8	G 1/2		
		40	22	310	G 1/2	G 1/2		
		43	27	250	G 1/2	G 3/4		
		42	24	250	G 5/8	G 5/8		
		45	27	250	G 3/4	G 3/4		
		48	36	200	G 3/4	G 1		
		50	36	200	G 1	G 1		
		Straight hydraulic stud fittings - HNB						
						Bar	NPTM	Parallel BSP Gas
26	13			440	NPT 1/8	G 1/8		
28	14			440	NPT 1/8	G 1/4		
32	14			420	NPT 1/4	G 1/8		
32	14			420	NPT 1/4	G 1/4		
34	17			350	NPT 1/4	G 3/8		
33	19			310	NPT 3/8	G 1/4		
35	19			310	NPT 3/8	G 3/8		
38	22			310	NPT 3/8	G 1/2		
41	22			290	NPT 1/2	G 3/8		
43	22			290	NPT 1/2	G 1/2		
46	27			250	NPT 1/2	G 3/4		
44	27			250	NPT 3/4	G 1/2		
46	27			200	NPT 3/4	G 3/4		
49	36			200	NPT 3/4	G 1		
51	36			200	NPT 1	G 3/4		
53	36			200	NPT 1	G 1		
60	46			200	NPT 1 1/4	G 1 1/4		
64	50			180	NPT 1 1/2	G 1 1/2		
69	65			150	NPT 2	G 2		
						HNB 25018		
						HNB 25014		
						HNB 25118		
						HNB 25114		
						HNB 25138		
				HNB 25214				
				HNB 25238				
				HNB 25212				
				HNB 25338				
				HNB 25312				
				HNB 25334				
				HNB 25412				
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				HNB 25642				
				HNB 25749				
				HNB 25860				

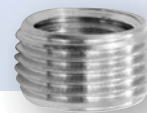
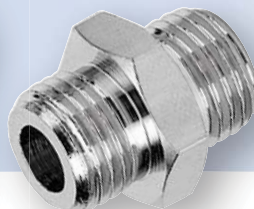
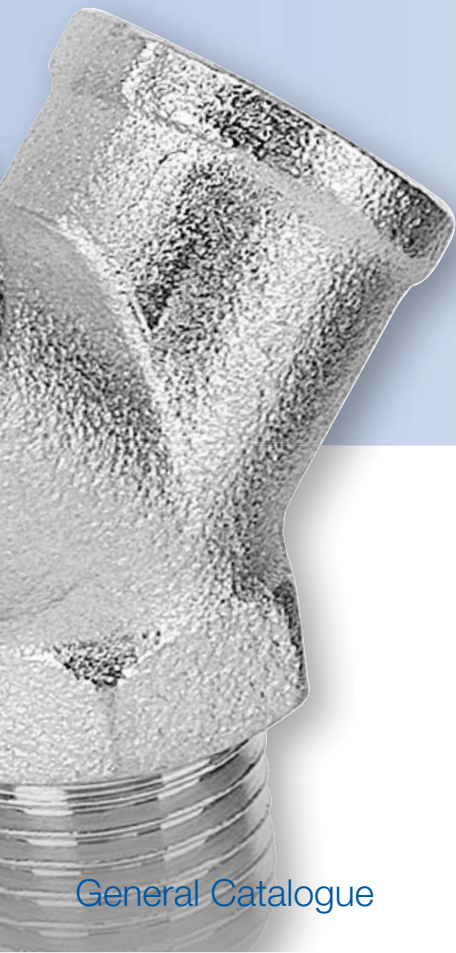
connectors

CONNECTION ACCESSORIES

THE RIGHT CONNECTORS FOR COMPRESSED AIR NETWORKS

CONNECTORS FOR ALL ASSEMBLIES

- Tapped and threaded unions for flexible hoses
- Unions for joining two hoses
- Two-way distributors
- Double nipples, male or female, cylindrical or conical
- Reducers, extensions
- Caps, male or female
- Partition penetrations
- Reduction and expansion sleeves
- Hose caps
- Angles, tee pieces, cross pieces
- Polyamide fittings
- Stainless steel fittings



SEALING PRODUCTS

- Effective and easy to use
- Sealed connections
- Fluids: air, water, internal fluids



TWO-WAY COUPLINGS

- 360° swivel couplings
- Eliminate hose-related constraints
- Allow more flexibility in tool handling
- Optional pressure regulator and gauge



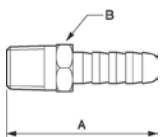
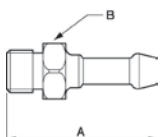
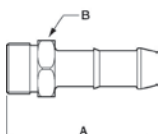
CLAW COUPLINGS

- Forged brass couplings
- Harsh environments
- NFE 29573 Standard
- Fluids: air, cold water



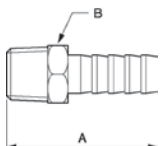
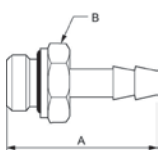
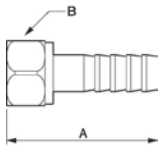
HOSETAILS

Connection	Broad range Wide range of diameters and threads	Free passage Air, Water, inert fluids	Pressure 0 to 15 bar
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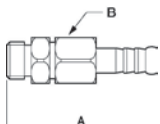
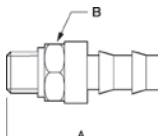
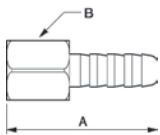
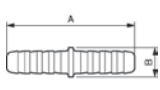
		A	B	DESCRIPTION		REFERENCE
Tapered male thread - Hosetail						
				Component: brass BSP Gas thread	For pipe	
		40	14	R 1/8	Ø int.4 mm	JFT 1804
		40	14	R 1/8	Ø int.6 mm	JFT 1806
		40	14	R 1/8	Ø int.7 mm	JFT 1807
		40	14	R 1/8	Ø int.8 mm	JFT 1808
		44	14	R 1/4	Ø int.4 mm	JFT 1404
		44	14	R 1/4	Ø int.6 mm	JFT 1406
		44	14	R 1/4	Ø int.7 mm	JFT 1407
		44	14	R 1/4	Ø int.8 mm	JFT 1408
		44	14	R 1/4	Ø int.9 mm	JFT 1409
		44	14	R 1/4	Ø int.10 mm	JFT 1410
		44	14	R 1/4	Ø int.12 mm	JFT 1412
		44	19	R 3/8	Ø int.8 mm	JFT 3808
		44	19	G 3/8	Ø int.9 mm	JFT 3809
		44	19	R 3/8	Ø int.10 mm	JFT 3810
		44	19	R 3/8	Ø int.12 mm	JFT 3812
		44	19	R 3/8	Ø int.14 mm	JFT 3814
		44	19	R 3/8	Ø int.16 mm	JFT 3816
		49	24	R 1/2	Ø int.12 mm	JFT 1212
		49	24	R 1/2	Ø int.14 mm	JFT 1214
		49	24	R 1/2	Ø int.16 mm	JFT 1216
		49	24	R 1/2	Ø int.19 mm	JFT 1219
Parallel male thread - Hosetail - 1 barb						
				Component: treated steel BSP Gas thread	For pipe	
		43	14	G 1/8	Ø int.4 mm	JFT 1804ZS
		43	14	G 1/8	Ø int.6 mm	JFT 1806ZS
		46	17	G 1/4	Ø int.6 mm	JFT 1406ZS
		46	17	G 1/4	Ø int.8 mm	JFT 1408ZS
		46	17	G 1/4	Ø int.9 mm	JFT 1409ZS
		46	17	G 1/4	Ø int.10 mm	JFT 1410ZS
		47	19	G 3/8	Ø int.8 mm	JFT 3808ZS
		47	19	G 3/8	Ø int.10 mm	JFT 3810ZS
		52	19	G 3/8	Ø int.12 mm	JFT 3813ZS
		52	23	G 3/8	Ø int.16 mm	JFT 3816ZS
		53	23	G 1/2	Ø int.8 mm	JFT 1208ZS
		53	23	G 1/2	Ø int.9 mm	JFT 1209ZS
		53	23	G 1/2	Ø int.10 mm	JFT 1210ZS
		53	23	G 1/2	Ø int.13 mm	JFT 1213ZS
		54	23	G 1/2	Ø int.16 mm	JFT 1216ZS
		58	29	G 3/4	Ø int.16 mm	JFT 3416ZS
Parallel male thread - Hosetail - 2 barbs						
				Component: treated steel BSP Gas thread	For pipe	
		74	23	G 1/2	Ø int.19 mm	JFT 1219ZS
		78	29	G 3/4	Ø int.19 mm	JFT 3419ZS
		80	35	G 3/4	Ø int.25 mm	JFT 3425ZS
		84	35	G 1	Ø int.19 mm	JFT 0119ZS
		84	35	G 1	Ø int.25 mm	JFT 0125ZS

HOSETAILS

Connection	Broad range Wide range of diameters and threads	Free passage Air, Water, inert fluids	Pressure 0 to 15 bar
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		A	B	DESCRIPTION		REFERENCE	
Tapered male thread - Hosetail							
				Component: nickel-plated brass BSP Gas thread			
					For pipe		
		32	12	R 1/8	Ø int.6 mm	JPC 1806	
		32	12	R 1/8	Ø int.7 mm	JPC 1807	
		32	12	R 1/8	Ø int.8 mm	JPC 1808	
		36	14	R 1/4	Ø int.6 mm	JPC 1406	
		36	14	R 1/4	Ø int.7 mm	JPC 1407	
		36	14	R 1/4	Ø int.8 mm	JPC 1408	
		36	14	R 1/4	Ø int.9 mm	JPC 1409	
		36	14	R 1/4	Ø int.10 mm	JPC 1410	
		33	12	R 1/4	Ø int. 13 mm	JPC 1413	
		36	17	R 3/8	Ø int.9 mm	JPC 3809	
		36	17	R 3/8	Ø int.10 mm	JPC 3810	
		36	17	R 3/8	Ø int.13 mm	JPC 3813	
		36	18	R 3/8	Ø int.16 mm	JPC 3816	
		36	21	R 3/8	Ø int.19 mm	JPC 3819	
		39	22	R 1/2	Ø int.10 mm	JPC 1210	
		39	22	R 1/2	Ø int.13 mm	JPC 1213	
		39	22	R 1/2	Ø int.17 mm	JPC 1217	
		39	22	R 1/2	Ø int.19 mm	JPC 1219	
		43.5	27	R 3/4	Ø int.15 mm	JPC 3415	
		39	27	R 3/4	Ø ID 19 mm	JPC 3419	
		41	27	R 3/4	Ø int.24 mm	JPC 3424	
53.5	34	R 1	Ø int.24 mm	JPC 0124			
Parallel male thread hosetail with seal							
				Component: nickel-plated brass BSP Gas thread			
					For pipe		
		31	13	G 1/8	Ø int. 6 mm	JMJ 1806	
		34.4	16	G 1/4	Ø int. 6 mm	JMJ 1406	
		34.4	16	G 1/4	Ø int. 7 mm	JMJ 1407	
		34.4	16	G 1/4	Ø int. 8 mm	JMJ 1408	
		35.5	19	G 3/8	Ø int. 8 mm	JMJ 3808	
		39.5	24	G 1/2	Ø int.10 mm	JMJ 1210	
41.5	24	G 1/2	Ø int.16 mm	JMJ 1216			
Tapered male thread - Hosetail							
				BSP Gas thread	For pipe	Construction	
		30	14	G 1/8	Ø int.6-7 mm	Nickel-plated brass	JFTF 1806
		42	17	G 1/4	Ø int.6 mm	Brass	JFTF 1406
		42	17	G 1/4	Ø int.7 mm	Brass	JFTF 1407
		42	17	G 1/4	Ø int.8 mm	Brass	JFTF 1408
		42	17	G 1/4	Ø int.9 mm	Brass	JFTF 1409
		34	20	G 3/8	Ø int.10 mm	Nickel-plated brass	JFTF 3810

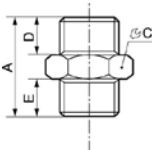
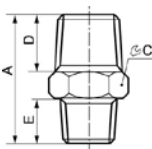
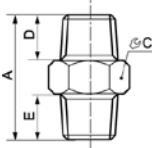
HOSETAILS

Connection		Broad range Wide range of diameters and threads		Free passage Air, Water, inert fluids		Pressure 0 to 15 bar	
		A	B	DESCRIPTION			REFERENCE
Swivelling thread male hose tail							
				Use : air only Component: treated steel BSP Gas thread			
		45	15	G 1/4	For pipe Ø int.6 mm	JFO 1406	
		45	15	G 1/4	Ø int.7 mm	JFO 1407	
		49	15	G 1/4	Ø int.8 mm	JFO 1408	
		49	15	G 1/4	Ø int.9 mm	JFO 1409	
		52	15	G 1/4	Ø int.10 mm	JFO 1410	
Push-on hose tail male thread							
				For assembly without any hose-O-clip on hose partnumber Lockflex Component: brass BSP Gas thread			
		40.5	19	G 1/4	For pipe Ø 10 mm	Collar yellow	AF 15110CN
		47	19	G 1/4	Ø 13 mm	yellow	AF 15113CN
				G 1/4	Ø 13 mm	black	AF 15113BK
Female threaded hose tail with swivel nut							
				2-pieces with ball seal Component: nickel-plated brass BSP Gas thread			
		39	16	G 1/4	For pipe Ø int. 6 mm	JFTT 1406	
		39	16	G 1/4	Ø int. 8 mm	JFTT 1408	
Hose joiner							
				For pipe	Construction		
		50	8	Ø int.4 mm	Brass	JDT 0404	
		50	10	Ø int.6 mm	Brass	JDT 0606	
		50	12	Ø int.8 mm	Brass	JDT 0808	
		60	10	Ø int. 9 mm	Nickel-plated brass	JDT 0909	
		50	14	Ø int. 10 mm	Brass	JDT 1010	
		50	16	Ø int.12 mm	Brass	JDT 1212	
		60	14	Ø int. 13 mm	Brass	JDT 1313	
		58	18	Ø int. 16 mm	Treated steel	JDT 1616	
		62	21	Ø int. 19 mm	Treated steel	JDT 1919	
		72	25	Ø int.23 mm	Treated steel	JDT 2323	

FITTINGS

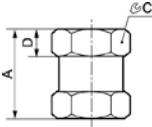
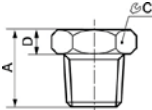
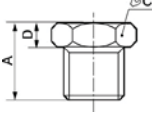
UNIONS - REDUCERS

Connection pieces	Broad range Diameters and threads	Free passage Air, water, inert fluids	Pressure 0 to 15 bar
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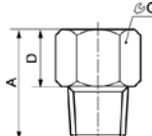
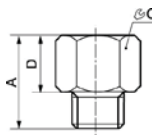
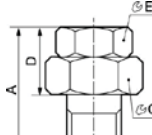
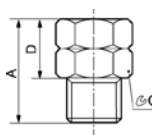
		A	C	D	E	DESCRIPTION		REFERENCE
Parallel male union - A1								
						BSP Gas thread	Construction	
		11.5	8	4	4	M5 x M5	Nickel-plated brass	A1 M5M5
		14.5	14	6	4	M5 x G 1/8	Nickel-plated brass	A1 M518
		17	14	6	6	G 1/8 x G 1/8	Nickel-plated brass	A1 1818
		19	17	8	6	G 1/8 x G 1/4	Nickel-plated brass	A1 1814
		20	20	9	6	G 1/8 x G 3/8	Nickel-plated brass	A1 1838
		21	17	8	8	G 1/4 x G 1/4	Nickel-plated brass	A1 1414
		22	20	9	8	G 1/4 x G 3/8	Nickel-plated brass	A1 1438
		24	25	10	8	G 1/4 x G 1/2	Nickel-plated brass	A1 1412
		25	14	10	10	G 1/4 x G 1/4 Briggs	Brass	A1 14251
		24	20	9	9	G 3/8 x G 3/8	Nickel-plated brass	A1 3838
		25.5	25	10	9	G 3/8 x G 1/2	Nickel-plated brass	A1 3812
		26.5	25	10	10	G 1/2 x G 1/2	Nickel-plated brass	A1 1212
		27	30	10	11	G 3/4 x G 1/2	Nickel-plated brass	A1 3412
		28.5	30	11	11	G 3/4 x G 3/4	Nickel-plated brass	A1 3434
		30	36	11	12	G 3/4 x G 1	Nickel-plated brass	A1 3401
		31	36	12	12	G 1 x G 1	Nickel-plated brass	A1 0101
Tapered male unequal union - A2								
						BSP Gas thread	Construction	
		21	12	8	8	R 1/8 x R 1/8	Nickel-plated brass	A2 1818
		24	14	11	8	R 1/8 x R 1/4	Nickel-plated brass	A2 1814
		25	17	11.5	8	R 1/8 x R 3/8	Nickel-plated brass	A2 1838
		27	14	11	11	R 1/4 x R 1/4	Nickel-plated brass	A2 1414
		28	17	11.5	11	R 1/4 x R 3/8	Nickel-plated brass	A2 1438
		32	22	14	11	R 1/4 x R 1/2	Nickel-plated brass	A2 1412
		29	17	11.5	11.5	R 3/8 x R 3/8	Nickel-plated brass	A2 3838
		32.5	22	14	11.5	R 3/8 x R 1/2	Nickel-plated brass	A2 3812
		22	26	10.5	7.5	R 3/8 x R 3/4	Brass	A2 3834
		35	22	14	14	R 1/2 x R 1/2	Nickel-plated brass	A2 1212
		37	27	16.5	14	R 1/2 x R 3/4	Nickel-plated brass	A2 1234
		27	33	11	11	R 1/2 x R 1	Brass	A2 1201
		39.5	27	16.5	16.5	R 3/4 x R 3/4	Nickel-plated brass	A2 3434
		42.5	34	19	16.5	R 3/4 x R 1	Nickel-plated brass	A2 3401
		31	42	14	11	R 3/4 x R 1 1/4	Brass	A2 3442
		37	14	14.5	14.5	R 1/4 x R 1/4 Briggs	Treated steel	A2 3215
		45.5	34	19	19	R 1 x R 1	Nickel-plated brass	A2 0101
		54.5	54	23	22	R 1 1/2 x R 1 1/4	Nickel-plated brass	A2 4942
		49.5	49	21.5	20	R 1 1/4 x R 1	Nickel-plated brass	A2 4201
		49.5	49	21	21	R 1 1/4 x R 1 1/4	Nickel-plated brass	A2 4242
		57	53.5	24	24	R 1 1/2 x R 1 1/2	Nickel-plated brass	A2 4949
		59.5	67	26.5	23	R 2 x R 1 1/2	Nickel-plated brass	A2 6049
		59	67	25	25	R 2 x R 2	Nickel-plated brass	A2 6060
Rotating 3-pieces male union - A2T								
						BSP Gas thread	Material	
		28	15	10	10	G 1/8 x G 1/8	Nickel-plated brass	A2T 1818
		34	19	12	12	G 1/4 x G 1/4	Nickel-plated brass	A2T 1414
		37	27	13	13	G 3/8 x G 3/8	Nickel-plated brass	A2T 3838
		45	27	16	16	G 1/2 x G 1/2	Nickel-plated brass	A2T 1212
		53	36	18	18	G 3/4 x G 3/4	Nickel-plated brass	A2T 3434
		65	46	22	22	G 1 x G 1	Nickel-plated brass	A2T 0101

FITTINGS

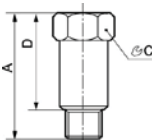
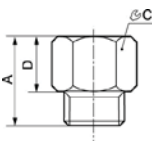
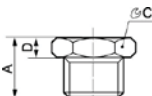
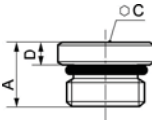
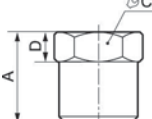
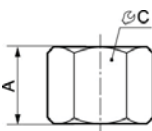
UNIONS - REDUCERS

Connection pieces		Broad range Diameters and threads				Free passage Air, water, inert fluids		Pressure 0 to 15 bar	
		A	C	D	E	DESCRIPTION		REFERENCE	
Equal socket - A3									
						BSP Gas thread			
		11	8	4		M5 x 0,8	Nickel-plated brass	A3 M5	
		15	14	5		G 1/8	Nickel-plated brass	A3 18	
		22	17	6		G 1/4	Nickel-plated brass	A3 14	
		24	22	7		G 3/8	Nickel-plated brass	A3 38	
		30	27	7.5		G 1/2	Nickel-plated brass	A3 12	
		32	32	10		G 3/4	Nickel-plated brass	A3 34	
		35	38	10		G 1	Nickel-plated brass	A3 01	
Tapered male/Parallel female reducer - A4									
						BSP Gas thread			
		16	14	5		R 1/4 x G 1/8	Nickel-plated brass	A4 1418	
		17	17	5.5		R 3/8 x G 1/8	Nickel-plated brass	A4 3818	
		19.5	22	5.5		R 1/2 x G 1/8	Nickel-plated brass	A4 1218	
		17	17	5.5		R 3/8 x G 1/4	Nickel-plated brass	A4 3814	
		20	22	6		R 1/2 x G 1/4	Nickel-plated brass	A4 1214	
		20	22	6		R 1/2 x G 3/8	Nickel-plated brass	A4 1238	
		23	27	6.5		R 3/4 x G 3/8	Nickel-plated brass	A4 3438	
		23	27	6.5		R 3/4 x G 1/2	Nickel-plated brass	A4 3412	
		25	34	9		R 1 x G 1/2	Nickel-plated brass	A4 0112	
		25	34	7		R 1 x G 3/4	Nickel-plated brass	A4 0134	
		20	42	6		R 1 1/4 x G 3/4	Brass	A4 4234	
		19.5	42	5.5		R 1 1/4 x G 1	Brass	A4 4201	
		33.5	54	10		R 1 1/2 x G 1	Nickel-plated brass	A4 4901	
		20	50	6		R 1 1/2 x G 1 1/4	Brass	A4 4942	
		36	67	10.5		R 2 x G 1 1/4	Brass	A4 6042	
		36	67	11		R 2 x G 1 1/2	Nickel-plated brass	A4 6049	
		21	60	6		R 2 x G 1	Nickel-plated brass	A4 6001	
		56	80	31		R 2 1/2 x G 1	Annealing iron	A4 7601	
Parallel male/female reducer - A4Z									
						BSP Gas thread			
		10.5	14	4.5		G 1/8 x M5	Nickel-plated brass	A4 18M5	
		13	17	5		G 1/4 x G 1/8	Nickel-plated brass	A4Z 1418	
		14	20	5		G 3/8 x G 1/8	Nickel-plated brass	A4Z 3818	
		14	20	5		G 3/8 x G 1/4	Nickel-plated brass	A4Z 3814	
		15.5	24	5.5		G 1/2 x G 1/8	Nickel-plated brass	A4Z 1218	
		15.5	25	5.5		G 1/2 x G 1/4	Nickel-plated brass	A4Z 1214	
		15.5	25	5.5		G 1/2 x G 3/8	Nickel-plated brass	A4Z 1238	
		17	30	6		G 3/4 x G 1/4	Nickel-plated brass	A4Z 3414	
		17.5	30	6.5		G 3/4 x G 3/8	Nickel-plated brass	A4Z 3438	
		17.5	30	6.5		G 3/4 x G 1/2	Nickel-plated brass	A4Z 3412	
		36	60	18.5		G 2 x G 1 1/4	Brass	A4Z 6042	
		36	60	18.5		G 2 x 1 1/2	Brass	A4Z 6049	
		46	67	25		G 2 1/2 x G 2	Brass	A4Z 7660	

FITTINGS EXTENDERS

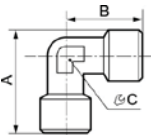
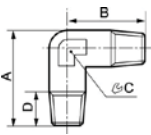
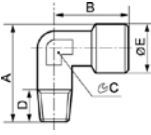
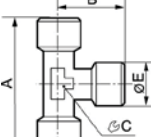
Connection		Broad range Diameters - threads				Free passage	Pressure 0 - 15 bar	
		A	C	D	E	DESCRIPTION	REFERENCE	
Tapered male/Parallel female extender - A5								
						BSP Gas thread		
		20	14	12		R 1/8 x G 1/8	Nickel-plated brass	A5 1818
		22.5	17	14.5		R 1/8 x G 1/4	Nickel-plated brass	A5 1814
		22.5	22	14.5		R 1/8 x G 3/8	Nickel-plated brass	A5 1838
		25	17	14		R 1/4 x G 1/4	Nickel-plated brass	A5 1414
		28.5	22	17.5		R 1/4 x G 3/8	Nickel-plated brass	A5 1438
		29	24	18		R 1/4 x G 1/2	Nickel-plated brass	A5 1412
		28.5	22	17		R 3/8 x G 3/8	Nickel-plated brass	A5 3838
		32	24	20.5		R 3/8 x G 1/2	Nickel-plated brass	A5 3812
		27	32	17		R 3/8 x G 3/4	Nickel-plated brass	A5 3834
		34	24	20		R 1/2 x G 1/2	Nickel-plated brass	A5 1212
		35	32	21		R 1/2 x G 3/4	Nickel-plated brass	A5 1234
		30.5	38	18		R 1/2 x G 1	Nickel-plated brass	A5 1201
		30.5	32	17		R 3/4 x G 3/4	Nickel-plated brass	A5 3434
		31	38	17.5		R 3/4 x G 1	Nickel-plated brass	A5 3401
		27.5	45	17.5		R 3/4 x G 1 1/4	Brass	A5 3442
		28.5	46	16.5		R 1 x G 1 1/4	Brass	A5 0142
		33	51	19		R 1 1/4 x G 1 1/2	Brass	A5 4249
Parallel male/female extender - A5Z								
						BSP Gas thread		
		17	12	13		M5 x G 1/8	Nickel-plated brass	A5 M518
		18.5	14	12.5		G 1/8 x G 1/8	Nickel-plated brass	A5Z 1818
		21.5	17	15.5		G 1/8 x G 1/4	Nickel-plated brass	A5Z 1814
		22.5	17	14.5		G 1/4 x G 1/4	Nickel-plated brass	A5Z 1414
		26	22	18		G 1/4 x G 3/8	Nickel-plated brass	A5Z 1438
		24	17	8		G 1/4 x G 1/2	Nickel-plated brass	A5Z 1412
		26.5	22	17.5		G 3/8 x G 3/8	Nickel-plated brass	A5Z 3838
		29.5	24	20.5		G 3/8 x G 1/2	Nickel-plated brass	A5Z 3812
		26	32	9		G 3/8 x G 3/4	Nickel-plated brass	A5Z 3834
		29.5	25	19.5		G 1/2 x G 1/2	Nickel-plated brass	A5Z 1212
3-pieces Parallel male/female extender - A5T								
						BSP Gas thread		
		40	25	30	23	G 3/8 x G 3/8	Brass	A5T 3838
		47	30	33	26	G 1/2 x G 1/2	Brass	A5T 1212
		53	37	39	31	G 3/4 x G 3/4	Brass	A5T 3434
		59	46	44	40	G 1 x G 1	Brass	A5T 0101
		66	54	51	50	G 1 1/4 x G 1 1/4	Brass	A5T 4242
Parallel male/female swivel fitting - A35								
						BSP Gas thread		
		40	22	28		G 1/2 x G 1/2	Brass	A35 1212
		40	30	28		G 1/2 x G 3/4	Brass	A35 1234

FITTINGS EXTENDERS, PLUGS

Connection		Broad range Diameters - Threads			Free passage Air, Water, inert fluids		Pressure 0 - 15 bar
		A	C	D	DESCRIPTION		REFERENCE
Parallel male/female extender - A5 RL							
					BSP Gas thread		
		42	14	36	G 1/8 x G 1/8	Nickel-plated brass	A5 1818RL
		51	17	43	G 1/4 x G 1/4	Nickel-plated brass	A5 1414RL
		41	22	32	G 3/8 x G 3/8	Nickel-plated brass	A5 3838RL
		36	27	26	G 1/2 x G 1/2	Nickel-plated brass	A5 1212RL
Parallel female/female extender - A6							
					BSP Gas thread		
		13.5	14	10.5	M5 x G 1/8	Nickel-plated brass	A6 M518
		21.5	17	15.5	G 1/8 x G 1/4	Nickel-plated brass	A6 1814
		23.5	22	15.5	G 1/8 x G 3/8	Nickel-plated brass	A6 1838
		25.5	22	16.5	G 1/4 x G 3/8	Nickel-plated brass	A6 1438
		28.5	24	19.5	G 1/4 x G 1/2	Nickel-plated brass	A6 1412
		29.5	24	18.5	G 3/8 x G 1/2	Nickel-plated brass	A6 3812
Parallel hexagonal male plug - A7							
					BSP Gas thread		
		7	14	3	M5 x 0,8	Nickel-plated brass	A7 M5
		10	17	4	G 1/8	Nickel-plated brass	A7 18
		12.5	19	4.5	G 1/4	Nickel-plated brass	A7 14
		13.5	24	4.5	G 3/8	Nickel-plated brass	A7 38
		15.5	30	5.5	G 1/2	Nickel-plated brass	A7 12
		16.5	38	5.5	G 3/4	Nickel-plated brass	A7 34
Parallel hexagonal male plug with seal - A7 J							
					BSP Gas thread		
		6.5	2.5	2.5	M5	Nickel-plated brass	A7 M5J
		9.5	3	2.5	G 1/8	Nickel-plated brass	A7 18J
		11	6	3	G 1/4	Nickel-plated brass	A7 14J
		12.5	8	3.5	G 3/8	Nickel-plated brass	A7 38J
		14.5	10	3.5	G 1/2	Nickel-plated brass	A7 12J
Tapered hexagonal male plug - A18							
					BSP Gas thread		
		12	10	4.5	R 1/8	Nickel-plated brass	A18 18
		15	14	4.5	R 1/4	Nickel-plated brass	A18 14
		16	17	4.5	R 3/8	Nickel-plated brass	A18 38
		17	22	5.5	R 1/2	Nickel-plated brass	A18 12
		21	27	5.5	R 3/4	Nickel-plated brass	A18 34
Female cap - A8							
					BSP Gas thread		
		13	14		G 1/8	Nickel-plated brass	A8 18
		15	17		G 1/4	Nickel-plated brass	A8 14
		17.5	20		G 3/8	Nickel-plated brass	A8 38
		20	24		G 1/2	Nickel-plated brass	A8 12

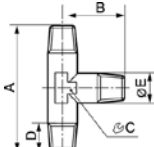
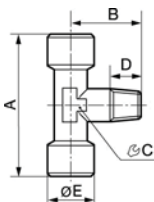
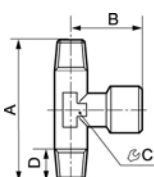
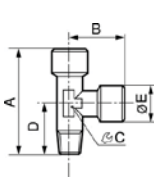
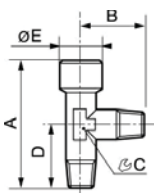
FITTINGS

ELBOWS - TEE PIECES

Connection		Broad range Wide range of diameters and threads				Free passage Air, Water, Inert fluids		Pressure 0 to 15 bar	
		A	B	C	D	E	DESCRIPTION		REFERENCE
Parallel female/female elbow - A9									
		27.5	20.5	10			BSP Gas thread		
		34.5	26	13			G 1/8 x G 1/8	Nickel-plated brass	A9 1818
		38.5	30	15			G 1/4 x G 1/4	Nickel-plated brass	A9 1414
		47	36	20			G 3/8 x G 3/8	Nickel-plated brass	A9 3838
		53	36.5	25			G 1/2 x G 1/2	Nickel-plated brass	A9 1212
		64.5	45	30			G 3/4 x G 3/4	Nickel-plated brass	A9 3434
						G 1 x G 1	Nickel-plated brass	A9 0101	
Parallel male/male elbow - A33									
		23.5	18.5	10	8		BSP Gas thread		
		30	23.5	13	11		R 1/8 x R 1/8	Nickel-plated brass	A33 18
		34.5	26	17	11.5		R 1/4 x R 1/4	Nickel-plated brass	A33 14
		41.5	31	21	14		R 3/8 x R 3/8	Nickel-plated brass	A33 38
		46.5	33	25	16		R 1/2 x R 1/2	Nickel-plated brass	A33 12
		55.5	39	30	17		R 3/4 x R 3/4	Nickel-plated brass	A33 34
						R 1 x R 1	Nickel-plated brass	A33 01	
Tapered male/Parallel female elbow - A10									
		24.5	20.5	10	8	13.5	BSP Gas thread		
		32	26	13	12	17	R 1/8 x G 1/8	Nickel-plated brass	A10 1818
		36.5	30	15	12	20.5	R 1/4 x G 1/4	Nickel-plated brass	A10 1414
		44	36	20	16	25.5	R 3/8 x G 3/8	Nickel-plated brass	A10 3838
		49	36.5	25	16	32	R 1/2 x G 1/2	Nickel-plated brass	A10 1212
		58.5	45	30	16	39	R 3/4 x G 3/4	Nickel-plated brass	A10 3434
						R 1 x G 1	Nickel-plated brass	A10 0101	
Parallel female tee piece - A11									
		42	21	10		13.5	BSP Gas thread		
		51	26	13		17	G 1/8	Nickel-plated brass	A11 18
		56	28.5	15		20.5	G 1/4	Nickel-plated brass	A11 14
		67	34.5	20		25.5	G 3/8	Nickel-plated brass	A11 38
		73	37	25		32	G 1/2	Nickel-plated brass	A11 12
		90	45	30		39	G 3/4	Nickel-plated brass	A11 34
		90	45	44.5		51.5	G 1	Nickel-plated brass	A11 01
		93	54	50		57.7	G 1 1/4	Nickel-plated brass	A11 42
		103	55	62.5		70	G 1 1/2	Nickel-plated brass	A11 49
							G 2	Nickel-plated brass	A11 60

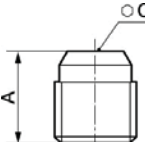
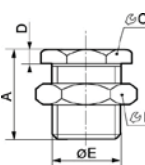
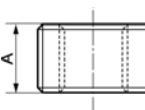
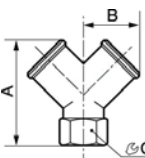
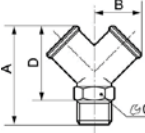
FITTINGS

TEE PIECES

Connection		Broad range Diameters - Threads				Free passage Air, Water, inert fluids		Pressure 0 - 15 bar	
		A	B	C	D	E	DESCRIPTION		REFERENCE
Tapered male tee piece - A30									
							BSP Gas thread		
		37	18.5	10	8	10	R 1/8	Nickel-plated brass	A30 18
		47	23.5	13	11	12	R 1/4	Nickel-plated brass	A30 14
		52	26	17	11.5	15	R 3/8	Nickel-plated brass	A30 38
		62	31	21	14	20	R 1/2	Nickel-plated brass	A30 12
		66.4	33.2	25	16.2	24	R 3/4	Nickel-plated brass	A30 34
Parallel female tee piece with tapered male centre - A12									
							BSP Gas thread		
		39	16.5	10	10	13.5	G 1/8 x R 1/8	Nickel-plated brass	A12 1818
		51	24.5	13	10	17	G 1/4 x R 1/4	Nickel-plated brass	A12 1414
		56	26	15	12	20.5	G 3/8 x R 3/8	Nickel-plated brass	A12 3838
		67	30	20	13	25.5	G 1/2 x R 1/2	Nickel-plated brass	A12 1212
		73	33	25	15	32	G 3/4 x R 3/4	Nickel-plated brass	A12 3434
		90	39	30	15	39	G 1 x R 1	Nickel-plated brass	A12 0101
Tapered male tee piece with parallel female centre - A31									
							BSP Gas thread		
		37	21	10	7		R 1/8 x G 1/8	Nickel-plated brass	A31 1818
		47	25.5	13	12		R 1/4 x G 1/4	Nickel-plated brass	A31 1414
		52	28	15	12		R 3/8 x G 3/8	Nickel-plated brass	A31 3838
		62	33.5	20	15		R 1/2 x G 1/2	Nickel-plated brass	A31 1212
		66.4	36.5	25	15		R 3/4 x G 3/4	Nickel-plated brass	A31 3434
Parallel female tee piece with male offset leg - A13									
							BSP Gas thread		
		37	21	10	16.5	13.5	G 1/8 x R 1/8	Nickel-plated brass	A13 1818
		50.5	26	13	24.5	17	G 1/4 x R 1/4	Nickel-plated brass	A13 1414
		56	28.5	15	26	20.5	G 3/8 x R 3/8	Nickel-plated brass	A13 3838
		66	34.5	20	30	25.5	G 1/2 x R 1/2	Nickel-plated brass	A13 1212
		69.5	37	25	33	32	G 3/4 x R 3/4	Nickel-plated brass	A13 3434
		84	45	30	39	39	G 1 x R 1	Nickel-plated brass	A13 0101
Tapered male tee piece with parallel female offset leg - A32									
							BSP Gas thread		
		39.5	18.5	10	21	13	R 1/8 x G 1/8	Nickel-plated brass	A32 1818
		49	23.5	13	25.5	17	R 1/4 x G 1/4	Nickel-plated brass	A32 1414
		54	26	17	28	21	R 3/8 x G 3/8	Nickel-plated brass	A32 3838
		64.5	31	21	33.5	26.5	R 1/2 x G 1/2	Nickel-plated brass	A32 1212
		69.5	33	25	36.5	32	R 3/4 x G 3/4	Nickel-plated brass	A32 3434

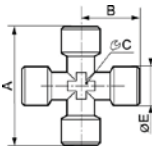
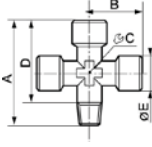
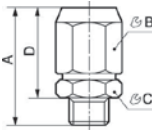
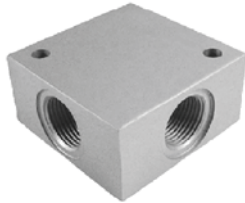
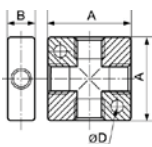
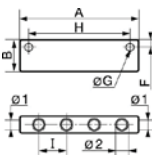
FITTINGS - PLUGS

THREADED LINERS - Y PIECES

Connection		Broad range Wide range of diameters and threads				Free passage Air, Water, Inert fluids		Pressure 0 to 15 bar	
		A	B	C	D	E	DESCRIPTION		REFERENCE
Hollow tapered parallel male plug - A20									
		8		6			BSP Gas thread		
		10		6			G 1/8 - 5 mm Allen key	Nickel-plated brass	A20 18
		10		6			G 1/4 - 6 mm Allen key	Nickel-plated brass	A20 14
		10		8			G 3/8 - 8 mm Allen key	Nickel-plated brass	A20 38
		12		10			G 1/2 - 10 mm Allen key	Nickel-plated brass	A20 12
Female bulkhead fitting - A21									
		18	19	22	4	15.5	BSP Gas thread		
							G 1/8 bulkhead thickness 10 mm - bore diam. 16mm	Nickel-plated brass	A21 18
		26	27	24	5	19.5	G 1/4 bulkhead thickness 12 mm - bore diam. 20 mm	Nickel-plated brass	A21 14
		26	30	32	5	25.5	G 3/8 bulkhead thickness 12 mm - bore diam. 26 mm	Nickel-plated brass	A21 38
		33.5	36	32	6.5	27.5	G 1/2 bulkhead thickness 12 mm - bore diam. 28 mm	Nickel-plated brass	A21 12
Parallel male - Parallel female liner - FOU									
		8					BSP Gas thread		
		9					G 1/4 x G 1/8	Brass	FOU 1014
		10					G 3/8 x G 1/4	Brass	FOU 1417
		10					G 1/2 x G 1/4	Brass	FOU 1421
		10					G 1/2 x G 3/8	Brass	FOU 1721
		14					G 3/4 x G 1/2	Brass	FOU 2127
		20					G 1 x G 3/4	Brass	FOU 2734
Female Y piece - Y									
		26.5	14.5	13			BSP Gas thread		
							G 1/8	Nickel-plated brass	Y18
		32	18	17			G 1/4	Nickel-plated brass	Y14
		37	20.5	20			G 3/8	Nickel-plated brass	Y38
		45	26.5	25			G 1/2	Nickel-plated brass	Y12
		68.5	36	38.5			G 3/4	Annealing iron	Y34
Female Y piece with parallel centre leg - Y M									
		32	14.5	13	24		BSP Gas thread		
							G 1/8	Nickel-plated brass	Y18M
		38	18	17	27		G 1/4	Nickel-plated brass	Y14M
		42.5	20.5	20	31		G 3/8	Nickel-plated brass	Y38M
		53	26.5	25	39		G 1/2	Nickel-plated brass	Y12M

FITTINGS

CROSSES - HOSE CAPS - DISTRIBUTION BLOCKS

Connection		Broad range Wide range of diameters and threads				Free passage Air, water, Inert fluids		Pressure 0 - 15 bar		
		A	B	C	D	E	DESCRIPTION		REFERENCE	
Female equal cross - A14										
		42	21	10		13	BSP Gas thread			
		51	25.5	13		17	G 1/8	Nickel-plated brass	A14 18	
		56	28	17		21	G 1/4	Nickel-plated brass	A14 14	
		56	28	17		21	G 3/8	Nickel-plated brass	A14 38	
		67	33.5	21		26.5	G 1/2	Nickel-plated brass	A14 12	
Female equal cross with tapered male leg - A34										
		39.5	21	10	31.5		BSP Gas thread			
		49	25.5	13	38		R 1/8 x G 1/8	Nickel-plated brass	A34 1818	
		54	28	17	42.5		R 1/4 x G 1/4	Nickel-plated brass	A34 1414	
		54	28	17	42.5		R 3/8 x G 3/8	Nickel-plated brass	A34 3838	
		64.5	33.5	21	50.5		R 1/2 x G 1/2	Nickel-plated brass	A34 1212	
Parallel male G 1/4 BSP Gas hose cap - CO										
		35	19	17	26		Maximum pressure: 10 bar 2-piece fitting			
		38	22	22	28		Ø 6 x 11-12	Duralumin	CO 0612	
		38	22	22	28		Ø 8 x 13-14	Duralumin	CO 0814	
		38	24	22	30		Ø 9 x 14-15	Duralumin	CO 0915	
		38	24	22	30		Ø 10 x 15-16	Duralumin	CO 1016	
Female 4-way block - A15										
		25	16		4.5		G 1/8	Aluminium	A15 18	
		40	20		5.5		G 1/4	Aluminium	A15 14	
		50	25		5.5		G 3/8	Aluminium	A15 38	
		50	25		5.5		G 1/2	Aluminium	A15 12	
Female distribution block - A16										
		72	30				Inlet BSP Gas	Outlet BSP Gas	Material	
							2xG 3/8	2xG 1/4	Aluminium	A16 3814S2
		108	30				2xG 3/8	3xG 1/4	Aluminium	A16 3814S3
		144	30				2xG 3/8	4xG 1/4	Aluminium	A16 3814S4
		180	30				2xG 3/8	5xG 1/4	Aluminium	A16 3814S5
		216	30				2xG 3/8	6xG 1/4	Aluminium	A16 3814S6

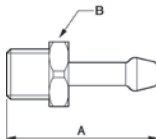
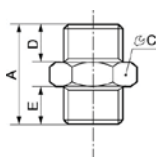
CONNECTORS CASE

Connection	Broad range Wide range of diameters and threads	Free passage Air, water, Inert fluids	Pressure 0 - 15 bar
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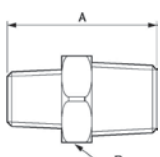
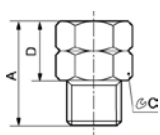
Assortment of connection accessories		A	B	C	DESCRIPTION	REFERENCE
		385	280	55	Connector case with: 15 male thread hosetails 15 hose joiners 30 male unions 25 male/female reducers 20 equal sockets	MAL PA105

STAINLESS STEEL FITTINGS

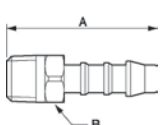
Construction Stainless steel	Connection	Fluid Air, water, inert fluids	Compatible with Chemicals	Pressure P.N. 25 bar
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		A	B	C	D	DESCRIPTION	REFERENCE
Parallel thread male tube hose tail							
						Component: 316L stainless steel BSP Gas thread	
		39	17			G 1/4 Ø int.6 mm	JFT 1406I
		39	17			G 1/4 Ø int.8 mm	JFT 1408I
		41	17			G 1/4 Ø int.10 mm	JFT 1410I
		41	17			G 1/4 Ø int.12 mm	JFT 1412I
Equal male union							
						Component: 316 L stainless steel BSP Gas thread	
		30.5	13			R 1/8 x R 1/8	A1 1818I
		25	14			R 1/4 x R 1/4	A1 1414I
		34.5	19			R 3/8 x R 3/8	A1 3838I
		41	23			R 1/2 x R 1/2	A1 1212I
		24.5	24			R 3/4 x R 3/4	A1 3434I

STAINLESS STEEL FITTINGS

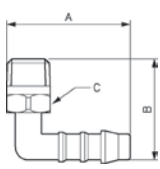
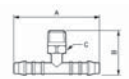
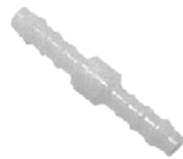
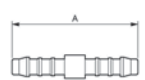
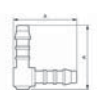
Construction Stainless steel	Connection	Fluid Air, water, inert fluids				Compatible with Chemicals	Pressure P.N. 25 bar
		A	B	C	D	DESCRIPTION	REFERENCE
Unequal male reducing union							
						Component: 316L stainless steel BSP Gas thread	
		25	14			R 1/8 x R 1/4	A1 1814I
		35	20			R 1/4 x R 3/8	A1 1438I
		40	24			R 3/8 x R 1/2	A1 3812I
		41	30			R 1/2 x R 3/4	A1 1234I
Swivel fitting							
						Material : 316L stainless steel BSP Gas thread	
		40		22	28	G 1/2 x G 1/2	A35 1212I
		40		30	28	G 1/2 x G 3/4	A35 1234I

HOSE FITTINGS

Construction Injection-moulded plastic	Airtight on hoses	Free passage Air, Water, Inert fluids			Ease of use	Pressure 0 to 10 bar	Temperature -10° to +80°C
		A	B	C	DESCRIPTION		REFERENCE
Tapered threaded hose tail							
					Component: Polyamide BSP Gas Thread		
						For hose	
		27	10		G 1/8	Ø int. 4 mm	JPL 1804
		32	14		G 1/4	Ø int. 4 mm	JPL 1404
		33	10		G 1/8	Ø int. 6 mm	JPL 1806
		37	14		G 1/4	Ø int. 6 mm	JPL 1406
		38	17		G 3/8	Ø int. 6 mm	JPL 3806
		41	14		G 1/4	Ø int. 8 mm	JPL 1408
		41	17		G 3/8	Ø int. 8 mm	JPL 3808
		49	22		G 1/2	Ø int. 8 mm	JPL 1208
		44	14		G 1/4	Ø int.10 mm	JPL 1410
		44	17		G 3/8	Ø int. 10 mm	JPL 3810
		46	17		G 3/8	Ø int. 12 mm	JPL 3812
		54	22		G 1/2	Ø int. 12 mm	JPL 1212

HOSE FITTINGS

Construction Injection-moulded plastic	Airtight on hoses	Free passage Air, Water, Inert fluids	Ease of use	Pressure 0 to 10 bar	Temperature -10° to +80°C
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		A	B	C	DESCRIPTION	REFERENCE	
90° tapered male elbow							
					Component: Polyamide BSP Gas thread		
					For hose		
		27	19	10	G 1/8	Ø int. 4 mm	JPL 51804
		46	37	14	G 1/4	Ø int. 4 mm	JPL 51404
		34	25	10	G 1/8	Ø int. 6 mm	JPL 51806
		37	30	14	G 1/4	Ø int. 6 mm	JPL 51406
		38	31	17	G 3/8	Ø int. 6 mm	JPL 53806
		41	38	14	G 1/8	Ø int. 8 mm	JPL 51808
		41	32	14	G 1/4	Ø int. 8 mm	JPL 51408
		46	37	17	G 3/8	Ø int. 8 mm	JPL 53808
		46	37	14	G 1/4	Ø int.10 mm	JPL 51410
48	36	17	G 3/8	Ø int.10 mm	JPL 53810		
Hose tail tee piece with male centre thread							
					Component: Polyamide BSP Gas thread		
		43	21	10	G 1/8	Ø int. 4 mm	JPL 71804
		43	26	14	G 1/4	Ø int. 4 mm	JPL 71404
		57	25	10	G 1/8	Ø int. 6 mm	JPL 71806
		57	30	14	G 1/4	Ø int. 6 mm	JPL 71406
		67	32	14	G 1/4	Ø int. 8 mm	JPL 71408
		71	37	17	G 1/8	Ø int. 10 mm	JPL 73810
Hose joiner							
					Component : Acetal resin For hose		
		35			Ø 4 mm	JPL 34	
		49			Ø 6 mm	JPL 36	
		56			Ø 8 mm	JPL 38	
		62			Ø 10 mm	JPL 310	
90° equal elbow							
					Component : Acetal resin For hose		
		22			Ø 4 mm	JPL 64	
		31			Ø 6 mm	JPL 66	
		37			Ø 8 mm	JPL 68	
		39			Ø 10 mm	JPL 610	
Equal hose tee piece							
					Component : Acetal resin For tube		
		35	22		Ø 4 mm	JPL 94	
		50	29		Ø 6 mm	JPL 96	
		58	35		Ø 8 mm	JPL 98	
		63	39		Ø 10 mm	JPL 910	
Y							
					Component : Acetal resin For tube		
		27	24		Ø 4 mm	JPL Y4	
		46	40		Ø 6 mm	JPLY 6	
		53	48		Ø 8 mm	JPLY 8	
		57	51		Ø 10 mm	JPLY 10	
Equal cross							
					Component : Acetal resin For hose		
		39			Ø 4 mm	JPL X4	
		47			Ø 6 mm	JPL X6	

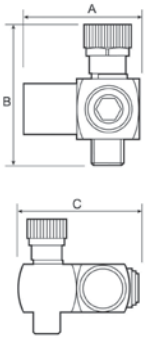
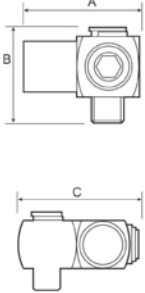
SEALING

Connection	Fluid Air, water, inert fluids	Ease of use	Sealing	Efficient	Instant seal
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		DESCRIPTION	REFERENCE
Anaerobic sealant			
		50 ml tube Seals G 1/8 to G 1 Gas threads in 2 hours Immediate curing @ 25°C Pressure strength: 6 bar For steel and nickel-plated brass parts Purple colour Shear strength: 17-23 N/mm² after 24 hours Non-toxic	
		Sealant tube	ETANCHE 177
PTFE tape			
		12 metres roll Width: 12 mm Thickness: 0.08 mm	
		Thread sealing tape 100 % PTFE Length: 12 meters	TEFLON 12
Sealing cord			
		Impregnated multi-filament cord Length: 150 metres Maximum service pressure: -Compressed air: 7.5 bar -Water : 16 bar -Gas: 5 bar compatible with air, water, natural gas	
		Impregnated multi-filament cord Length: 150 metres	FLT 150

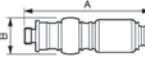
BI-DIRECTIONAL FITTING

Swivels 360°	Efficient	Construction Zamac	Flow rate 45 m³/h at 7 bar	Ease of use
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		A	B	C	DESCRIPTION	REFERENCE
Bi-directional fitting with regulator for pneumatic tools						
		36	64	43.5	- Can keep the hose straight without restraint. - Improve pneumatic tools handling and use. - Inlet : G 1/4 BSP Gas female - Outlet : G 1/4 BSP Gas male	
					360° bi-directional fitting with regulator and manometer 0 to 10 bar	OP BDMR
					360° bi-directional fitting with regulator	OP BDR
Bi-directional fitting for pneumatic tools						
		35	42.5	43	- Can keep the hose straight without restraint. - Improve pneumatic tools handling and use. - Inlet : 1/4 G BSP Gas female - Outlet : 1/4 G BSP Gas male	
					360° bi-directional fitting with manometer 0 to 10 bar	OP BDM
					360° bi-directional fitting	OP BD

MULTI SWIVEL

Efficient	Swivels 360°	Construction Highly resistant stainless steel body	Ease of use	Non-scratch	ID Passage 8 mm
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		A	B	DESCRIPTION		REFERENCE
Compressed air multi swivel						
				Inlet	Male threaded outlet	
		127	40	G 1/4 female	G 1/4	PFA 085101
		127	40	G 3/8 female	G 1/4	PFA 085102
		127	40	Inlet for Ø 6 mm hoses	G 1/4	PFA 085106
		127	40	Inlet for Ø 8 mm hoses	G 1/4	PFA 085108
		127	40	Inlet for Ø 10 mm hoses	G 1/4	PFA 085110

ESSENTIAL FOR ISOLATING RINGMAIN SECTIONS

- ▶ Brass valve, full-flow, male-male or female-female
- ▶ Butterfly valve, male-male, compact dimensions, high flow rate
- ▶ Decompression valve, brass, discharge by downline air bleed
- ▶ Stainless steel valve for corrosive environments and fluids
- ▶ Padlockable decompression valve, brass or stainless steel
May be padlocked in closed position
- ▶ Double valve, one inlet, two outlets
- ▶ Mini butterfly valve, compact dimensions
- ▶ Sliding valve, simultaneously bleed and close by sliding the ring on the valve body



NO LEAKAGE

The hot forging manufacturing process ensures that valve body walls are fully leaktight.

The pure, non-regenerated PTFE used is self-lubricating and elastic.

The PTFE shaft gaskets guarantee a perfect seal and maintenance-free use.

EASY HANDLING

A long, smooth-acting lever makes it easier to open and close the valve frequently.

The operating shaft does not penetrate the ball and is not subject to air pressure or risk of ejection.

TOUGH AND RESISTANT

The pure grade of brass used (CW617N standard), the hot forged manufacturing and the painstaking assembly process contribute to a heavy-duty valve body. The FPM gaskets are resistant in a wide range of applications.

CORROSION RESISTANCE

The nickel-plated body and cadmium-plated handle ensure excellent corrosion resistance.

PRESSURE AND TEMPERATURE

The materials used enable operating pressures of up to 40 bar and temperatures of up to +150°C (depending on model).

SILICONE-FREE

Guaranteed silicone-free enabling the same valves to be used in all applications including painting.



TECHNICAL CHARACTERISTICS

- > Service pressure (cold):
 - 40 bar up to G 1 thread
 - 32 bar from G 1 to G 2 thread
 - 25 bar above G 3 thread
- > Temperature: - 20°C to +150°C
- > High quality brass body and coupling, compliant with CW617N specifications, hot drop forged, sanded and nickel plated.
- > Self-lubricating pure PTFE seat with flexible edges
- > Chrome-plated hard brass ball
- > FPM seals
- > Brass shaft
- > Silicone-free lubricant on all seals
- > Removable carbon steel handle with blue PVC insulating sleeve, marked Prevest

PROGRAMMABLE VALVE FOR COMPRESSED AIR NETWORKS

“AIR SAVER” VALVE

Compressed air circuits are often leaky (due to bleed devices, old equipment, etc.), causing unnecessary and expensive compressor start-ups. Installed on a compressor outlet, the valve automatically opens and closes the air inlet during working hours, as programmed on the timer. It thus isolates the compressor from the rest of the system.



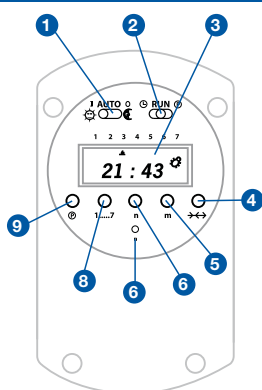
OPERATION

- ▶ Valve connection to circuit: G1 female BSP
- ▶ Electrical connection: 230 V
- ▶ Ball valve
- ▶ Digital timer
- ▶ 7-day programming of opening and closing times
- ▶ Eight different opening times and eight closing times can be selected per day
- ▶ Programmed times stored by selection buttons
- ▶ Data displayed on control screen

ADVANTAGES

- ▶ Circuits are no longer pressurised outside working hours, extending the lifetime of components
- ▶ Compressors only start up when needed, saving power, reducing maintenance costs, and so on.
- ▶ Compressed air circuits are shut off automatically, and can no longer be forgotten
- ▶ Fully programmable, 7 days a week including weekends
- ▶ Automatic valve opening is progressive, to avoid pressure surges
- ▶ Time ranges are easily programmed
- ▶ Choice of three operating modes:
 - programmed operation
 - valve always opened
 - valve always closed (holidays)

TIMER CONTROLS

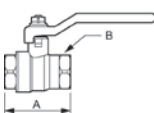
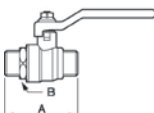
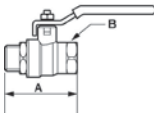
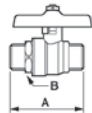
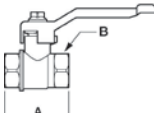


- 1 Mode of operation
 - AUTO - Automatic, at the times selected
 - 1 - Valve always open
 - 0 - Valve always closed
- 2 Data programming method
- 3 Digital display
- 4 Program stop button (the valve stays closed until the button is pressed again)

- 5 Set minutes
- 6 Set hours
- 7 Reset stored data
- 8 Set days
- 9 Store data

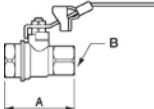
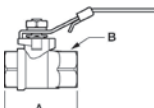
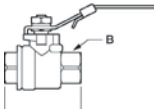
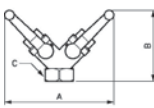
BALL VALVES

Valves Full flow	Ball Hard chrome- plated brass	Construction Body Brass	Impact-Resistant	Pressure P.N. 40 bar	Temperature Brass -20°C to + 150°C	Construction Teflon PTFE seat and packing
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		A	B	C	DESCRIPTION	REFERENCE	
RSI Brass lever ball valves female-female							
		39	20		G 1/4	RSI 13	
		39	20		G 3/8	RSI 17	
		50	25		G 1/2	RSI 21	
		54	31		G 3/4	RSI 27	
		67	38		G 1	RSI 34	
		77	48		G 1 1/4	P.N. 32 bar	RSI 42
		90	54		G 1 1/2	P.N. 32 bar	RSI 49
		106	66		G 2	P.N. 32 bar	RSI 60
		136	85		G 2 1/2	P.N. 25 bar	RSI 76
		157	99		G 3	P.N. 25 bar	RSI 90
RSIM Brass lever ball valves male-male							
		39	20		G 1/4	RSIM 13	
		39	20		G 3/8	RSIM 17	
		50	25		G 1/2	RSIM 21	
		54	31		G 3/4	RSIM 27	
		67	38		G 1	RSIM 34	
RSIM Brass lever ball valves male-female							
		39	20		G 1/4	RSIMF 13	
		39	20		G 3/8	RSIMF 17	
		50	25		G 1/2	RSIMF 21	
		54	31		G 3/4	RSIMF 27	
		67	38		G 1	RSIMF 34	
Butterfly handle male-male valves							
					Pressure: Water: 25 bar, Air:6 bar		
		60	25		G 1/2	RSIM 21PAP	
		69	31		G 3/4	RSIM 27PAP	
'VDA' decompressing valves female-female							
					Automatic decompression system Rated pressure: 14 bar		
		45	20		G 1/4	VDA 13	
		45	20		G 3/8	VDA 17	
		59	25		G 1/2	VDA 21	
		64	31		G 3/4	VDA 27	
		81	40		G 1	VDA 34	

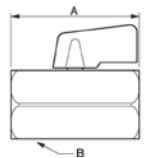
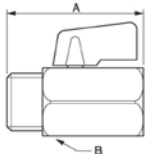
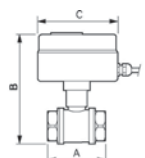
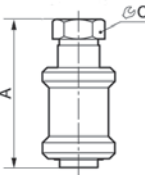
BALL VALVES

Valves Full flow	Ball Hard chrome-plated brass	Construction Body Brass	Impact-Resistant	Pressure	Temperature Brass -20°C to + 150°C	Construction Teflon PTFE seat and packing
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		A	B	C	DESCRIPTION	REFERENCE	
Padlockable decompressing valves							
					Padlockable gate Automatic decompression system Rated pressure: 14 bar		
		45	20		G 1/4	VCA 13	
		45	20		G 3/8	VCA 17	
		59	25		G 1/2	VCA 21	
		64	31		G 3/4	VCA 27	
		81	40		G 1	VCA 34	
Stainless steel padlockable valves (316 Stainless steel)							
					Padlockable gate Pressure: Water: 64 bar, Air: 6 bar Component: 316 L stainless steel		
		55	22		G 1/4	VIC 13	
		55	24		G 3/8	VIC 17	
		65	26		G 1/2	VIC 21	
		76	33		G 3/4	VIC 27	
		84	41		G 1	VIC 34	
Stainless steel padlockable descompressing valves							
					Padlockable gate Automatic decompression system Pressure: Air: 6 bar Component: 316 L stainless steel		
		55	22		G 1/4	VICA 13	
		55	24		G 3/8	VICA 17	
		65	26		G 1/2	VICA 21	
		76	33		G 3/4	VICA 27	
		89	40		G 1	VICA 34	
Padlock							
					30 mm Shackle	CADENAS	
Twin-lever valves							
					Pressure: Water: 30 bar, Air: 6 bar Temperature of use: from -20°C to +180°C		
		172	107	31	G 1/2	2xG 3/8	RD 17
		173	107	31	G 3/4	2xG 1/2	RD 21
		174	115	47	G 1	2xG 3/4	RD 27
		183	115	47	G 1 1/4	2xG 1	RD 34

OTHER VALVES

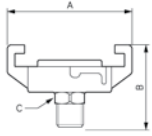
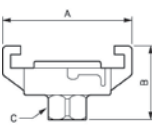
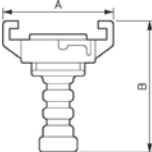
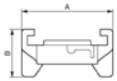
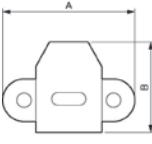
Valves	Construction Body : brass	Impact-Resistant	Multiple applications	Fluid Air, water Inert fluids
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		A	B	C	DESCRIPTION	REFERENCE	
Mini butterfly valves female-female (PN 16)							
					Reduced path Temperature of use: from -20°C to +90°C Component: chrome brass		
		42	21		G 1/8	FSI 10	
		42	21		G 1/4	FSI 13	
		42	21		G 3/8	FSI 17	
		47	25		G 1/2	FSI 21	
Mini butterfly valves male-female (PN 16)							
					Reduced path Temperature of use: from -20°C to +90°C Component: chrome brass		
		42	21		G 1/8	MSI 10	
		42	21		G 1/4	MSI 13	
		42	21		G 3/8	MSI 17	
		49	25		G 1/2	MSI 21	
Programmable valve							
					Valve with 24 hour / 7 day programmable timer for closing and opening the compressed air ringmain. Opening and closing time : 30 sec. Max. room temperature : 50°C. Max. temperature : 100°C Max. Pressure : 16 bar. IP 54 protection		
		82	195	134	G 1 female - 230 V - 50 Hz	VPS 34	
Slide female valve - A17							
					Maximum pressure: 10 bar Temperature of use: -10°C to +80°C		
		58	22	19	G 1/4	Nickel-plated brass + Aluminium	A17 14
		68	25.5	22	G 3/8	Nickel-plated brass + Aluminium	A17 38

QUICK-RELEASE CLAWS



Claw gap 41 mm	Construction Brass	Pressure P.M.S 10 bar	Broad range	Free passage Air, cold water	Shockproof
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		A	B	C	DESCRIPTION	REFERENCE
Quick release claw male thread						
		57	40	14	BSP Gas Thread G 1/4 8-13	EXP M813
		57	40	19	G 3/8 12-17	EXP M1217
		57	41	24	G 1/2 15-21	EXP M1521
		57	41	31	G 3/4 20-27	EXP M2027
		57	44	34	G 1 26-34	EXP M2634
		57	46	44	G 1 1/4 33-42	EXP M3342
		Quick-release claw female thread				
		57	32	17	BSP Gas Thread G 1/4 8-13	EXP F813
		57	32	21	G 3/8 12-17	EXP F1217
		57	32	26	G 1/2 15-21	EXP F1521
		57	35	33	G 3/4 20-27	EXP F2027
		57	38	38	G 1 26-34	EXP F2634
		57	43	46	G 1 1/4 33-42	EXP F3342
		Quick-release claw - Hose tail				
		57	69		ID for pipe : 7	EXP 7
		57	69		ID for pipe : 8	EXP 8
		57	69		ID for pipe : 9	EXP 9
		57	69		ID for pipe : 10	EXP 10
		57	69		ID for pipe: 11	EXP 11
		57	69		ID for pipe : 13	EXP 13
		57	69		ID for pipe : 16	EXP 16
		57	69		ID for pipe : 19	EXP 19
		57	69		ID for pipe : 22	EXP 22
		57	69		ID for pipe : 25	EXP 25
Blanking plug						
		57	30		Blanking plug	EXP BRE
Steel safety clamp fore hose O.D.						
					Tightens to	
		43	33		14-16	CSS 15
		44	33		16-18	CSS 17
		45	33		19-21	CSS 20
		50	33		22-24	CSS 23
		56	33		25-27	CSS 26
		58	33		28-30	CSS 29
		69	36		31-33	CSS 32
		69	36		34-36	CSS 36
		76	48		37-39	CSS 38
		78	48		40-45	CSS 42
		Seals for quick-release claws				
				Black rubber seal for quick-release claws	EXP JCN	
				Red neoprene seal for quick-release claws	EXP JNR	

ALUMINIUM CONCEPT FOR COMPRESSED AIR NETWORKS GUARANTEES:

- ▶ Leak-free networks
- ▶ Optimum flow rate
- ▶ Suitable pressure
- ▶ Lasting installations
- ▶ Air supply to accessible and ergonomic work stations
- ▶ High quality air
- ▶ Tools spared from corrosion and contaminants offer better performance
- ▶ Quick and easy maintenance
- ▶ Networks extendable as needed



The **ALR** system meets the compressed air needs of **all sectors of activity**.

ADVANTAGES OF **ALR** NETWORKS



QUICK AND EASY FITTING

Insert the tube in the coupling then tighten the nut.

VERY LOW PRESSURE DROPS

The flow rates of the ALR system are optimised by a perfectly smooth internal surface of the pipes, a low friction coefficient and a maximum clearance diameter.

UNALTERABLE MATERIAL

The aluminium alloy used, associated with an exterior epoxy paint coating and an interior treatment, safeguards the pipe against oxidation.

COMPATIBLE WITH COMPRESSOR OILS

Aluminium and the technopolymers comprising the ALR system are totally compatible with compressor lubricating oils.

IMPACT RESISTANCE

The materials forming the system guarantee excellent mechanical resistance, withstanding internal pressure and external impacts.

LEAKTIGHT

A nitrile gasket between the pipe and coupling, and a system for guiding the tube smoothly in the coupling, ensure that the system is totally leaktight.

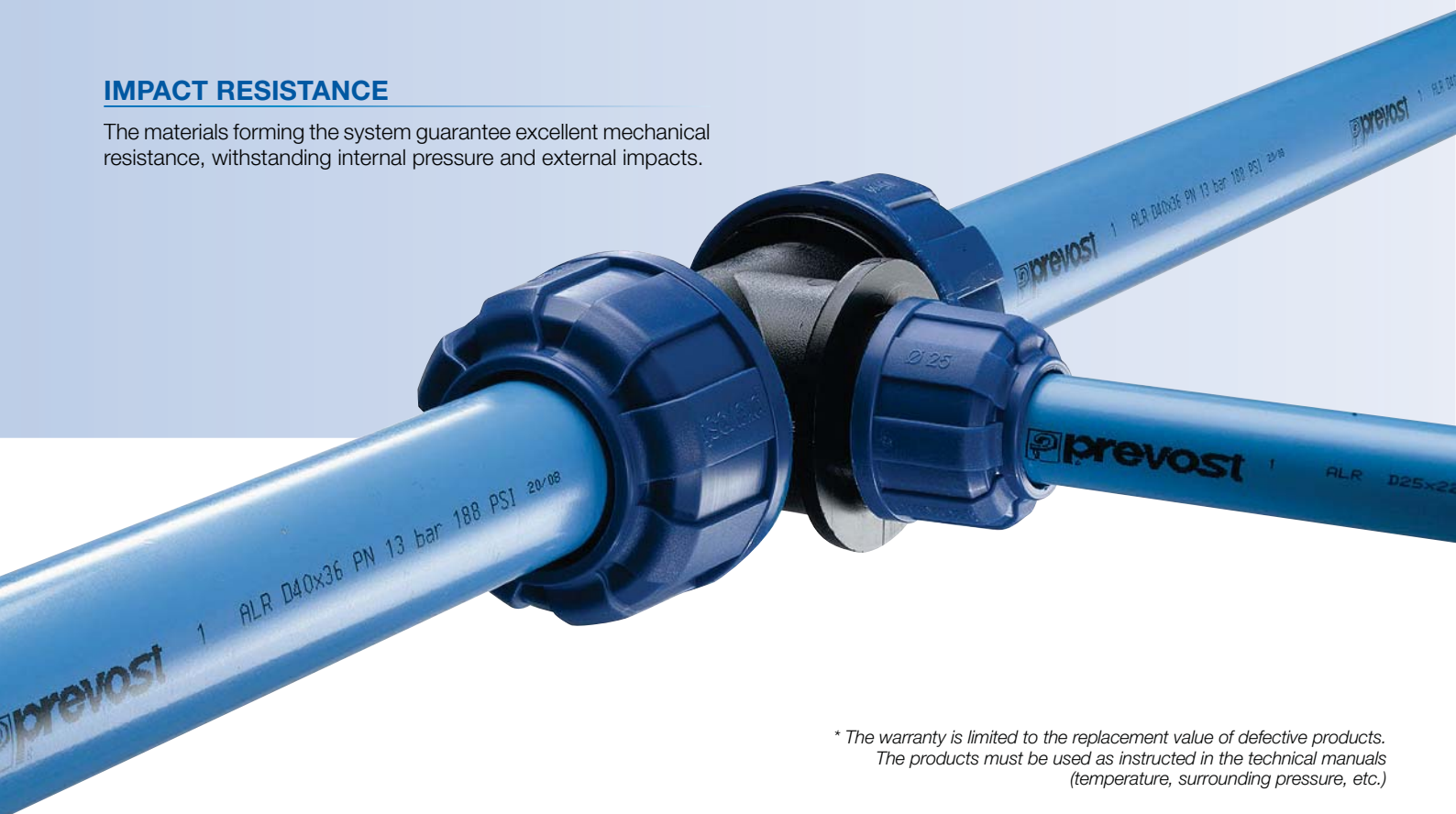
TOTALLY FUTURE-PROOF

The materials and the assembly mechanism ensure that the resulting system is flexible, upgradeable, and capable of solving even the most complex equipment issues.

The fitting system is straightforward and does not require heavy or costly tooling.

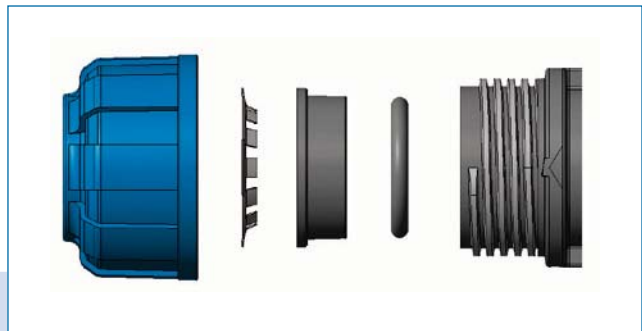
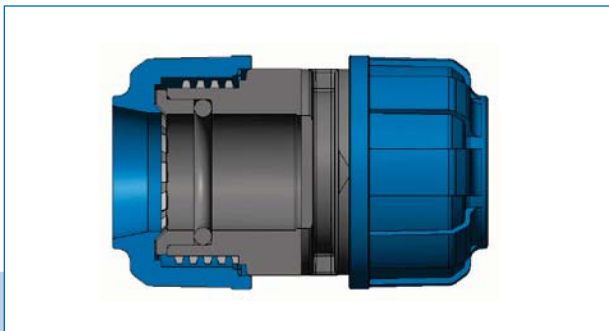
FLUID CARRIED

Compressed air.



* The warranty is limited to the replacement value of defective products.
The products must be used as instructed in the technical manuals
(temperature, surrounding pressure, etc.)

TECHNICAL SPECIFICATIONS



The teeth grip into the aluminium to hold the tube inside the coupling.
An internal nitrile gasket ensures that the join is leaktight.
The tube is inserted deeply in the coupling.
The system remains perfectly leaktight even in the harshest conditions.

Fluid carried

Compressed air

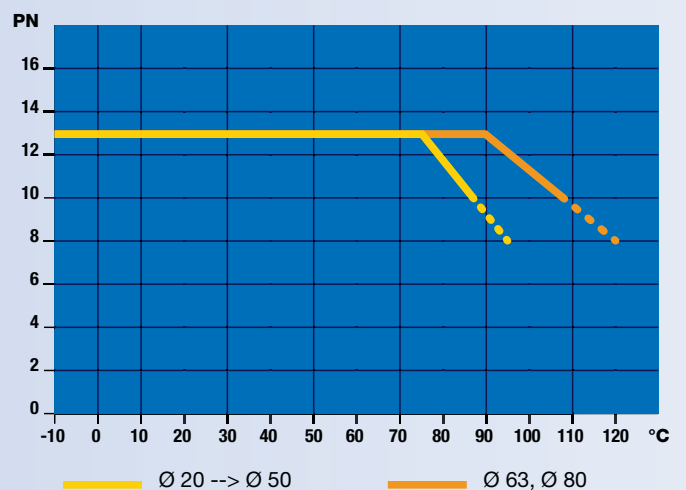
Pipes

- Material Ductile aluminium alloy
- Density 2.7 kg/dm³
- Coating Painting epoxy
Blue
- Compatible fluid Compressed air
- Pipe lengths 6 metres for all diameters,
3 metres for 20, 32 and 40 mm diameters
- Temperatures: -20°C to + 60°C
- Operating pressure: 13 bar

Coupling

- Dia. 20 to 50 mm
- Body: Polyamide
- Nut: Polyamide
- Toothed ring: Stainless steel 316 L
- Gasket: Nitrile
- Compatible fluid: Compressed air
- Dia. 63 to 80 mm
- Body: aluminium alloy
- Nut: aluminium alloy
- Toothed ring: Stainless steel 316 L
- Gasket: Nitrile
- Compatible fluid: Compressed air

Curve showing compressed air pressure as a function of temperature



BASIC INSTALLATION RULES

**PLANS AND ESTIMATES
ON REQUEST**
for your proposed installation

The main network must be in a loop configuration and equipped with shut-off valves.

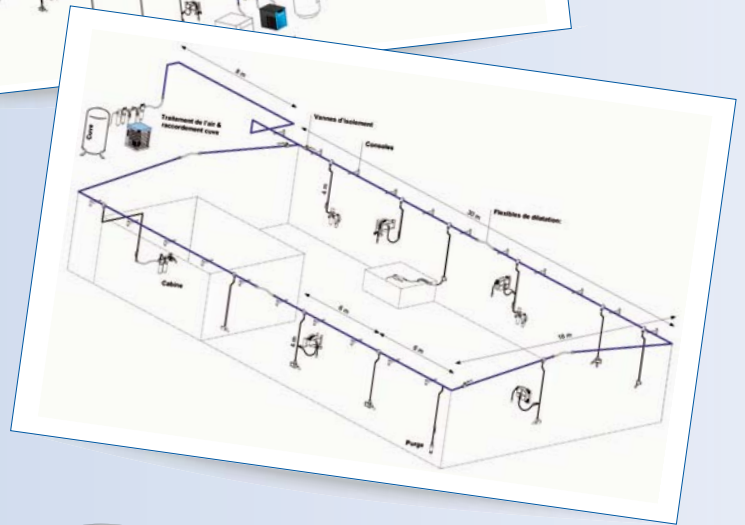
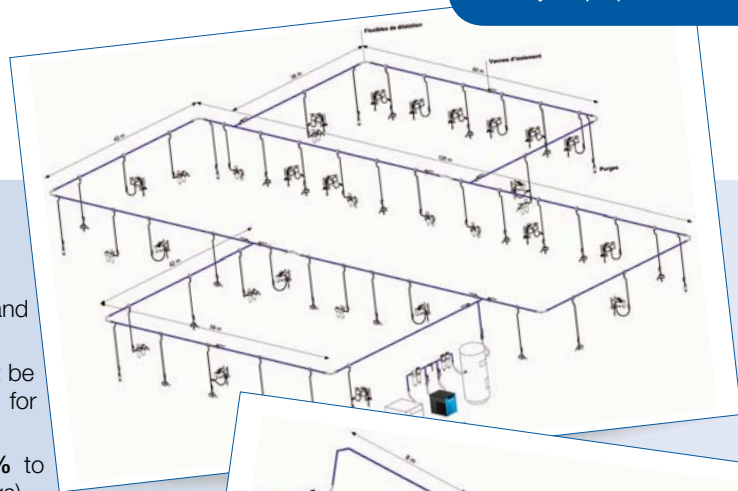
The diameter of the main pipe (primary pipe) must be large enough to avoid pressure drops and allow for future extensions.

The main pipe must be fixed at a slope of **1%** to evacuate condensates to low points (drain tappings).

Pipes must be installed with sufficient sliding clamps to hold them in position whilst allowing for pipe expansion and contraction (ref. AVR CI).

Residual condensates should be evacuated from the main pipe via direct downpipes installed under the pipe and fitted with drain systems.

Tappings carry dry air to user outlets, drawing air from the front of the main pipe.



NETWORK CALCULATION

The pipe diameter is calculated taking into account:

- the desired flow rate (max. pressure drop 5% relative to inlet pressure)
- the required length of main pipe

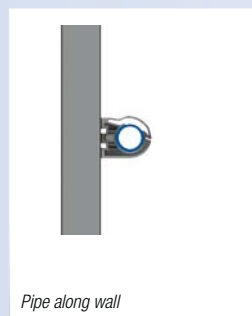
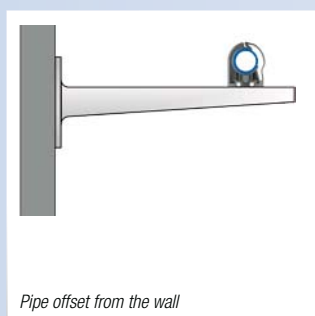
Pipe length

The table below can be used to define the pipe diameter (in mm) as a function of the total pipe length and the flow rate (m³/h):

Compressor kW	Flow rate			Length									
	Nm³/h	NI/min	cfm	50 m 164 ft	100 m 328 ft	150 m 492 ft	300 m 984 ft	500 m 1 640 ft	750 m 2 460 ft	1 000 m 3 280 ft	1 300 m 4 265 ft	1 600 m 5 240 ft	2 000 m 6 561 ft
> 1.5 - 7.5	10	167	6	20	20	20	20	20	20	20	25	25	25
	30	500	18	20	20	20	25	25	25	25	25	25	32
	50	833	29	20	25	25	25	25	25	25	25	25	32
> 7.5 - 30	70	1 167	49	20	25	25	25	32	32	40	40	40	50
	100	1 667	50	25	25	32	32	32	40	40	50	50	63
	150	2 500	88	32	32	32	32	40	40	50	63	63	80
	250	4 167	147	32	32	40	40	50	50	63	63	80	80
> 30 - 75	350	5 883	206	32	40	40	50	50	63	63	63	80	80
	500	8 333	294	40	50	50	50	50	63	63	80	80	80
	750	12 500	441	50	50	60	60	60	63	80	80	80	80
	1 000	16 667	589	50	50	50	50	63	80	80	80	80	80
> 75 - 315	1 500	25 000	833	50	50	63	63	63	80	80	80	80	80
	2 000	29 167	1 030	50	50	63	63	80	80	80	80	80	80
	3 000	50 000	1 766	50	63	63	80	80					

Attaching the network

- The pipe network should be attached to the wall or the ceiling depending on the workshop configuration.
- The pipes should be assembled such that they are perfectly aligned, ensuring strength and a sleek appearance.



Spacing of mounting brackets

Dia.	Mounting clamps	Spacing between brackets
20	AVR CI20	2,5 m
25	AVR CI25	3 m
32	AVR CI32	3,5 m
40	AVR CI40	4 m
50	AVR CI50	4 m
63	AVR CI63	4 m
80	AVR CI80	4 m

ALR SYSTEM: ASSEMBLY PRINCIPLE

Cutting

Pipes must be cut straight. Use a pipe cutter, **ref. ALR CTU**.



Chamfer the pipe

to facilitate insertion and avoid damaging the gasket. A slight internal chamfer enables any cutting residues to be eliminated.



(For diameters 63 and 80 mm, use a cut and chamfer tool, **ref. ALR CTCHE6380**).

Unscrew

the nut by a few turns, then insert the tube, rotating slightly to reach the coupling seat.



Retighten

the nut by hand, then lock in place by turning a further half-turn with the wrench **ref. ALR CLE**.



For disassembly

unscrew the nut and remove the pipe from the coupling.



Downpipes

Tappings

Tappings are used to connect a downpipe to a workstation.

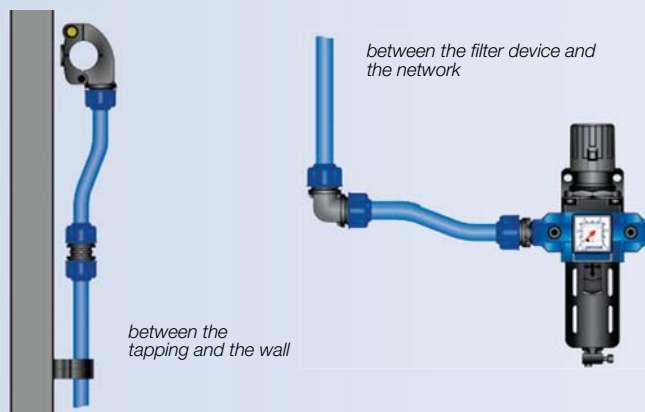
They replace the **gooseneck** fittings previously used, and enable air with lower water and condensate content to be obtained.

They are easily installed by drilling a single hole.



Wall link

Wall link elbows can be used to compensate for centre offsets.



Low points

Low points are required to drain condensates properly.

They must be placed at strategic locations along the network.



Condensates may be evacuated by any conventional bleed system (electronic bleed, automatic bleed, valve).

Cut-off valves can be used to isolate parts of the network for maintenance.



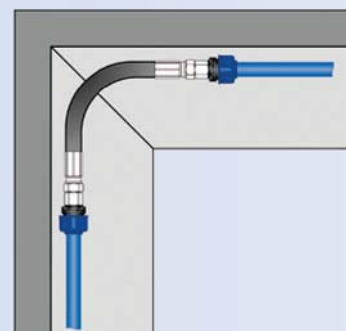
Like all other materials, aluminium can undergo expansion and contraction phenomena due to temperature variations.

To compensate for this expansion, absorption devices should be fitted to pipes.

Hoses can be used for this purpose.

They can also be used for changes of direction (*corners*) and to avoid obstacles in the workshop (*pillars, beams, etc.*).

Inserting a fixed point (**ref. CPF**) in the middle of each rectilinear segment is recommended to split the expansion on either side of the point.



Compensation hoses for network expansion and contractions (due to temperature variations)				
Standard male conical	BSP thread	Length (m)	Max. service pressure (bar)	Radius of curvature (mm)
LAM 27	R 3/4	0.75	105	240
LAM 34	R 1	0.75	88	300
LAM 42	R 1 1/4	1.1	63	420
LAM 49	R 1 1/2	1.25	50	500
LAM 60	R2	1	40	630

Hoses for connecting the compressor to the network							
Standard female	Standard male conical	Safety female	Safety male conical	BSP thread	Length(m)	Service pressure	Radius of curvature (mm)
LEF 17	LEM 17	LEF 179	LEM 179	3/8	1.5	180	130
LEF 21	LEM 21	LEF 21S	LEM 21S	1/2	1.5	160	180
LEF 27	LEM 27	LEF 27S	LEM 27S	3/4	1.5	105	240
LEF 34	LEM 34	LEF 34S	LEM 34S	1	1.5	88	300
LEF 42	LEM 42			1 1/4	2.2	60	420
LEF 49	LEM 49			1 1/2	2.5	50	500
LEF 60	LEM 60			2	2	80	630

Expansion of aluminium

Expansion coefficient: 0.024 mm per metre and per degree Celsius.

Expansion is calculated as follows:

- C** = Expansion coefficient
- L** = Length of straight line (between two fixed points)
- ΔT** = Difference between maximum and minimum ambient temperature in °C.

EL = Overall linear expansion

Where **EL = C × L × ΔT°**

For example, a 20-metre line of 40 mm pipe, installed at an ambient temperature of 15°C and subjected to a maximum temperature of 40°C.

Difference = 25°C.

EL: $0.024 \times 20 \text{ (m)} \times 25^\circ\text{C} (45^\circ\text{C} - 15^\circ\text{C}) = 12 \text{ mm.}$

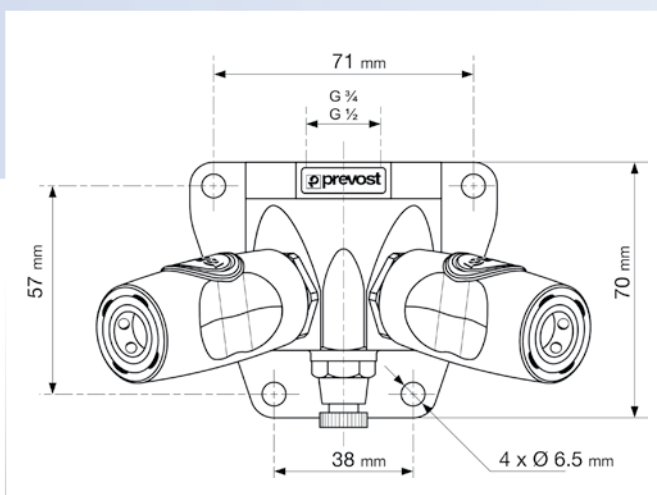




Placed on a secondary pipe, the wall fastener **prevoS_i** offers quick coupling capability for two connections.

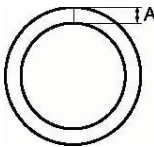
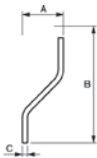
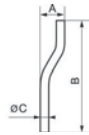
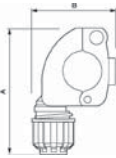
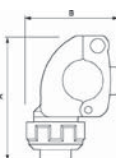
- **prevoS_i** anti-whiplash couplings compliant with the ISO 4414 standard guarantee user protection
- Swivel body enables button position to be adjusted
- Quick and effortless connection and disconnection for highly flexible use

- Air inlet: 1/2" G or 3/4" G
- Material: Aluminium alloy
- 4-point wall mounting
- Fitted with a sealed manual drain
- Connect to 20 or 25 mm ALR pipes via:
 - Straight metal pipe/thread coupling, Ref. **ALR MM**
 - or
 - Union for wall outlet, ref. **ALR JF** with a pipe/pipe union coupling, Ref. **ALR UN**
(single-piece aluminium alloy union)
 - * optional
- Air outlet: Two one-push safety couplings **prevoS_i**



SYSTEM ALR FOR ALUMINIUM COMPRESSED AIR RINGMAINS

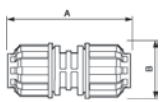
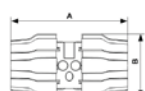
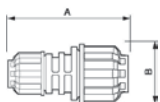
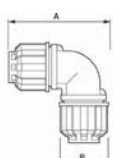
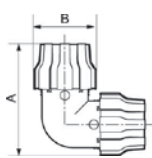
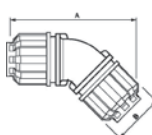
Compatible Compressor oils	Pressure P.N.13 bar at 40°C	Construction Pipe : ductile aluminium. Epoxy coating	Shockproof	Construction Coupling : polyamide or alu. Locking teeth : St. steel	Vacuum capability - 0,3 bar at 20°C	Installation Easy
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		A	B	C	DESCRIPTION	REFERENCE	
ALR TU - Rigid aluminium pipe							
					Length: 6 m. Minimum order of 3 tubes, All references taken into account.		
					Pipe OD	Bar length	
		1.5			20	3 m.	ALR TU20L3
		1.5			20	6 m.	ALR TU20L6
		1.5			25	3 m.	ALR TU25L3
		1.5			25	6 m.	ALR TU25L6
		1.5			32	3 m.	ALR TU32L3
		1.5			32	6 m.	ALR TU32L6
		2			40	3 m.	ALR TU40L3
		2			40	6 m.	ALR TU40L6
		2			50	6 m.	ALR TU50L6
		2			63	6 m.	ALR TU63L6
		2.4			80	6 m.	ALR TU80L6
ALR LM - Long bended link pipe							
		150	415	20	Pipe OD 20	ALR LM20	
		160	470	25	25	ALR LM25	
ALR LMC - Short bended link pipe							
					To adapt to a conduit of air pipes.		
					Pipe OD		
		90	480	20	20	ALR LMC20	
		75	485	25	25	ALR LMC25	
ALR BP - Tapping flange for tube							
					Main network pipe OD	Downpipe OD	
		110	70		25	20	ALR BP2520
		110	70		32	20	ALR BP3220
		121	83		40	20	ALR BP4020
		121	87		40	25	ALR BP4025
		145	111		50	20	ALR BP5020
		145	111		50	25	ALR BP5025
		147	118		63	20	ALR BP6320
		147	118		63	25	ALR BP6325
		147	118		63	32	ALR BP6332
		222	168		80	20	ALR BP8020
		222	168		80	25	ALR BP8025
		222	168		80	32	ALR BP8032
AVR BT - Threaded tapping flange							
					Main network pipe OD	BSP Gas tapping	
		110	70		25	G 1/2	AVR BT2512
		110	70		32	G 1/2	AVR BT3212
		121	83		40	G 1/2	AVR BT4012
		121	87		40	G 3/4	AVR BT4027
		150	105		50	G 1/2	AVR BT5012
		150	105		50	G 3/4	AVR BT5027
		150	111		63	G 1/2	AVR BT6312
		150	111		63	G 3/4	AVR BT6327
		150	111		63	G 1	AVR BT6334

SYSTEM ALR

FOR ALUMINIUM COMPRESSED AIR RINGMAINS

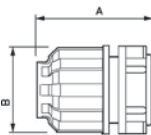
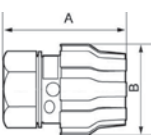
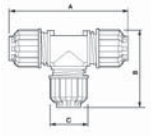
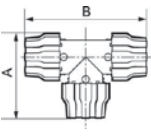
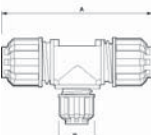
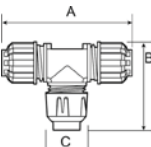
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		A	B	C	DESCRIPTION	REFERENCE	
ALR UN - Female joiner							
					Pipe OD		
		103	47		20	ALR UN20	
		104	53		25	ALR UN25	
		122	65		32	ALR UN32	
		138	80		40	ALR UN40	
		150	93		50	ALR UN50	
ALR UNA - Aluminium female joiner for tube Ø 63 and Ø 80 mm							
		183	98.5		Pipe OD	ALR UNA63	
		235	116		80	ALR UNA80	
ALR MR - Pipe reducing fitting							
		98	53		Pipe OD	Pipe OD	ALR MR2520
		114	65		32	25	ALR MR3225
		123	80		40	32	ALR MR4032
		146	93		50	40	ALR MR5040
ALR 9C - Equal female 90° elbow							
		83	47		Pipe OD	ALR 9C20	
		88	53		25	ALR 9C25	
		109	65		32	ALR 9C32	
		129	80		40	ALR 9C40	
		150	93		50	ALR 9C50	
ALR 9CA - Aluminium equal female 90° elbow for tube Ø 63 and Ø 80 mm							
		177	98.5		Pipe OD	ALR 9CA63	
		210	116		80	ALR 9CA80	
ALR 4C - Equal female 45° elbow							
		100	47		Pipe OD	ALR 4C20	
		113	53		25	ALR 4C25	
		135	65		32	ALR 4C32	
		158	80		40	ALR 4C40	
		180	93		50	ALR 4C50	

SYSTEM ALR

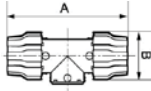
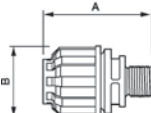
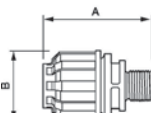
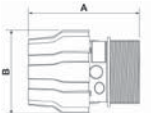
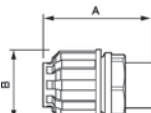
FOR ALUMINIUM COMPRESSED AIR RINGMAINS

Compatible Compressor oils	Pressure P.N.13 bar at 40°C	Construction Pipe : ductile aluminium. Epoxy coating	Shockproof	Construction Coupling : polyamide or alu. Locking teeth : St. steel	Vacuum capability - 0,3 bar at 20°C	Installation Easy
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		A	B	C	DESCRIPTION		REFERENCE
ALR BO - Female cap							
					Pipe OD		
		56	47		20		ALR BO20
		58	53		25		ALR BO25
		65	65		32		ALR BO32
		76	81		40		ALR BO40
		83	93		50		ALR BO50
ALR BOA - Aluminium female cap for tube Ø 63 and Ø 80 mm							
		135	98.5		Pipe OD		ALR BOA63
		165	116		80		ALR BOA80
ALR TE - Equal female tee piece							
					Pipe OD		
		124	83	47	20		ALR TE20
		132	88	53	25		ALR TE25
		158	107	65	32		ALR TE32
		182	129	80	40		ALR TE40
		206	150	93	50		ALR TE50
ALR TEA - Aluminium equal female tee piece for tube Ø 63 and Ø 80 mm							
		254	176		Pipe OD		ALR TEA63
		325	214		80		ALR TEA80
ALR TR - Reducing tee piece							
					Pipe OD	Pipe OD	
		132	47		25	20	ALR TR2520
		158	47		32	20	ALR TR3220
		158	107		32	25	ALR TR3225
		182	52		40	25	ALR TR4025
		182	65		40	32	ALR TR4032
		205	65		50	32	ALR TR5032
		205	80		50	40	ALR TR5040
ALR TT - Female threaded tee piece							
		124	85	42	Pipe OD	BSP Gas thread	ALR TT2012
		132	92	42	25	G 1/2	ALR TT2512

SYSTEM ALR FOR ALUMINIUM COMPRESSED AIR RINGMAINS

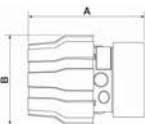
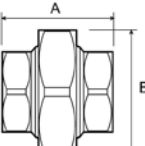
Compatible Compressor oils	Pressure P.N.13 bar at 40°C	Construction Pipe : ductile aluminium. Epoxy coating	Shockproof	Construction Coupling : polyamide or alu. Locking teeth : St. steel	Vacuum capability - 0,3 bar at 20°C	Installation Easy
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		A	B	C	DESCRIPTION	REFERENCE
ALR TTA - Aluminium female threaded tee piece for tube Ø 63 and Ø 80 mm						
		254	111.5		Pipe OD 63 BSP Gas thread G 2	ALR TTA6360
		325	116		80 G 2 1/2	ALR TTA8076
ALR PM - Polyamid male thread straight coupling						
		66	47		Pipe OD 20 BSP Gas thread R 1/2	ALR PM2012
		66	47		20 R 3/4	ALR PM2027
		71	53		25 R 1/2	ALR PM2512
		71	53		25 R 3/4	ALR PM2527
		74	53		25 R 1	ALR PM2534
		82	65		32 R 1	ALR PM3234
		86	65		32 R 1 1/4	ALR PM3242
		97	80		40 R 1 1/4	ALR PM4042
		97	80		40 R 1 1/2	ALR PM4049
		104	93		50 R 1 1/2	ALR PM5049
		108	93		50 R 2	ALR PM5060
ALR MM - Aluminium male thread straight coupling with polyamid nut						
		66	47		Pipe OD 20 BSP Gas thread R 1/2	ALR MM2012
		66	47		20 R 3/4	ALR MM2027
		73	53		25 R 1	ALR MM2534
		85	65		32 R 1 1/4	ALR MM3242
		100	80		40 R 1 1/2	ALR MM4049
		107	93		50 R 2	ALR MM5060
ALR MMA - Aluminium male thread straight coupling						
		131	98.5		Pipe OD 63 BSP Gas thread R 2 1/2	ALR MMA6376
		149	116		80 R 2 1/2	ALR MMA8076
		149	116		80 R 3	ALR MMA8090
ALR MF - Aluminium female thread straight coupling with polyamid nut						
		68	47		Pipe OD 20 BSP Gas thread G 1/2	ALR MF2012
		68	47		20 G 3/4	ALR MF2027
		73	53		25 G 1	ALR MF2534
		85	65		32 G 1 1/4	ALR MF3242
		102	80		40 G 1 1/2	ALR MF4049
		105	93		50 G 2	ALR MF5060

SYSTEM ALR

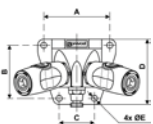
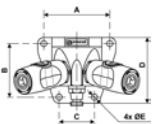
FOR ALUMINIUM COMPRESSED AIR RINGMAINS

Compatible Compressor oils	Pressure P.N.13 bar at 40°C	Construction Pipe : ductile aluminium. Epoxy coating	Shockproof	Construction Coupling : polyamide or alu. Locking teeth : St. steel	Vacuum capability - 0,3 bar at 20°C	Installation Easy
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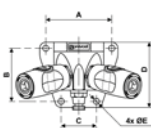
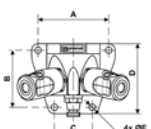
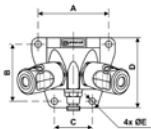
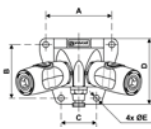
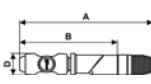
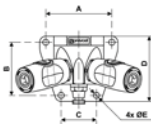
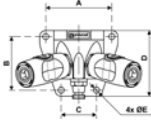
		A	B	C	DESCRIPTION	REFERENCE
ALR MFA - Aluminium female thread straight coupling for tube Ø 63 mm						
		128	98.5		Pipe OD 63 BSP Gas thread G 2 1/2	ALR MFA6376
A3T - 3-pieces female swivel equal socket						
		48.5	53		Thread G 1	A3T 01
		59	65		G 1 1/4	A3T 42
		63.5	73		G 1 1/2	A3T 49
		75.5	89		G 2	A3T 60

PREVO S1 WALL FASTENERS

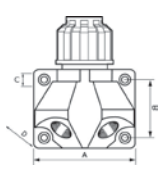
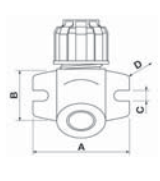
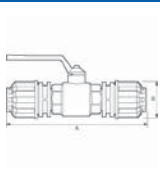
NEW

Pressure PN 12 bar	Construction Xall fastener : aluminium alloy	Safety avoids hose whip		Installation 4 fastening holes		Manual drain		Swivel body	
		A	B	C	D	E	DESCRIPTION		REFERENCE
Female threaded double wall fastner - 2 couplings and drain - ISO B Profile - ID passage 6 mm									
		71	57	38	70	6,5	Female threaded inlet	Outlet: 2 couplings	
							G 1/2	2 ISI 06 couplers	ISI 068103WF
		71	57	38	70	6,5	G 3/4	2 ISI 06 couplers	ISI 068104WF
Female threaded double wall fastner - 2 couplings and drain - ISO B Profile - ID passage 8 mm									
		71	57	38	70	6,5	Female threaded inlet	Outlet: 2 couplings	
							G 1/2	2 ISI 08 couplers	ISI 088103WF
		71	57	38	70	6,5	G 3/4	2 ISI 08 couplers	ISI 088104WF

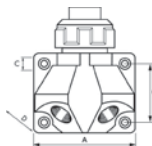
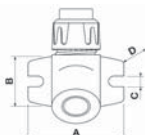
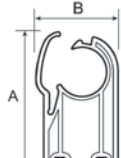
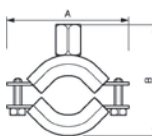
Pressure PN 12 bar	Construction Wall fastener : aluminium alloy	Safety avoids hose whip	Installation 4 fastening holes	Manual drain	Swivel body
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Female threaded double wall fastner - 2 couplings and drain - European High Flow Profile 7.2 mm									
		71	57	38	70	6,5	Female threaded inlet	Outlet: 2 couplings	ESI 078103WF ESI 078104WF
		71	57	38	70	6,5	G 1/2 G 3/4	2 ESI 07 couplers 2 ESI 07 couplers	
Female threaded double wall fastner - 2 couplings and drain - ISO C Profile - ID passage 6 mm									
		71	57	38	70	6,5	Female threaded inlet	Outlet: 2 couplings	CSI 068103WF CSI 068104WF
		71	57	38	70	6,5	G 1/2 G 3/4	2 CSI 06 couplers 2 CSI 06 couplers	
Female threaded double wall fastner - 2 couplings and drain - ISO C Profile - ID passage 8 mm									
		71	57	38	70	6,5	Female threaded inlet	Outlet: 2 couplings	CSI 088103WF CSI 088104WF
		71	57	38	70	6,5	G 1/2 G 3/4	2 CSI 08 couplers 2 CSI 08 couplers	
Female threaded double wall fastner - 2 couplings and drain - ARO Profile - ID passage 6 mm									
		71	57	38	70	6,5	Female threaded inlet	Outlet: 2 couplings	ASI 068103WF ASI 068104WF
		71	57	38	70	6,5	G 1/2 G 3/4	2 ASI 06 couplers 2 ASI 06 couplers	
Female threaded double wall fastner - 2 couplings and drain - British Profile - ID passage 6 mm									
		71	57	38	70	6,5	Female threaded inlet	Outlet: 2 couplings	BSI 068104WF
							G 3/4	2 BSI 06 couplers	
Female threaded double wall fastner - 2 couplings and drain - Truflate Profile - ID passage 6 mm									
		71	57	38	70	6,5	Female threaded inlet	Outlet: 2 couplings	USI 068203WF USI 068204WF
		71	57	38	70	6,5	NPT 1/2 NPT 3/4	2 USI 06 couplers 2 USI 06 couplers	
Female threaded double wall fastner - 2 couplings and drain - Truflate Profile - ID passage 8 mm									
		71	57	38	70	6,5	Female threaded inlet	Outlet: 2 couplings	USI 088203WF USI 088204WF
							NPT 1/2 NPT 3/4	2 USI 08 couplers 2 USI 08 couplers	

ACCESSORIES FOR ALR RINGMAIN ASSEMBLING

Compatible Compressor oils	Pressure PN 13 bar at 40 °C	Vacuum capability - 0,3 bar at 20°C		Construction Pipe : ductile aluminium. Epoxy coating		Shockproof	Construction Coupling : polyamide Locking teeth : St. steel		Installation Easy
		A	B	C	D	DESCRIPTION			REFERENCE
ALR Y - Female threaded double wall fastener									
						Inlet for pipe	2 outlets		
		100	52	7	79	Ø 20	G 1/2		ALR Y20
		100	52	7	79	Ø 25	G 1/2		ALR Y25
		100	52	7	79	Ø 20	G 1/2 with drain		ALR YP20
		100	52	7	79	Ø 25	G 1/2 with drain		ALR YP25
ALR M - Wall fastener with 1 inlet for pipe and 1 female threaded outlet									
		81	45	8	77	Inlet for pipe	Outlet		
						Ø 20	G 1/2		ALR M2012
ALR RIM - ALR piping ball valve									
		175	46			20			ALR RIM20
		195	51.5			25			ALR RIM25
		225	65			32			ALR RIM32
		270	80			40			ALR RIM40
		305	92			50			ALR RIM50
ALR CLE - Tightening key									
						For coupling			
						20 to 32			ALR CLE32
						40 to 63			ALR CLE63
						63 and 80			ALR CLE80
ALR ECG - Replacement nut									
						20			ALR ECG20
						25			ALR ECG25
						32			ALR ECG32
						40			ALR ECG40
						50			ALR ECG50
						63			ALR ECG63
ALR EAG - Nut locking teeth									
						63			ALR EAG63
						80			ALR EAG80
ALR JTB - Spacer and seal									
						20			ALR JTB20
						25			ALR JTB25
						32			ALR JTB32
						40			ALR JTB40
						50			ALR JTB50
						63			ALR JTB63
ALR JAB - Strut and seal									
						For coupling			
						63			ALR JAB63
									ALR JAB80

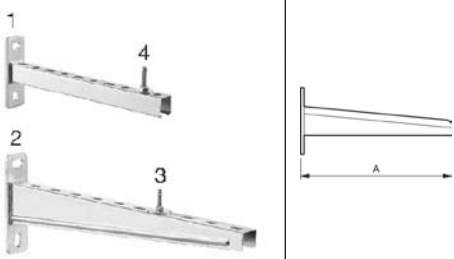
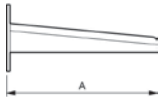
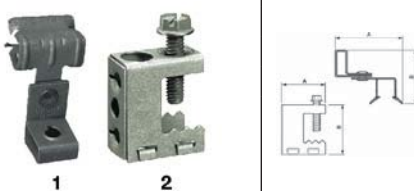
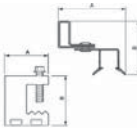
ACCESSORIES FOR ALR AND PVR RINGMAINS

Compatible Compressor oils		Pressure PN 13 bar at 40°C				Shockproof		Installation Easy	
		A	B	C	D	DESCRIPTION		REFERENCE	
AVR AFF - Female threaded wall fastener									
		50	41			Nickel-plated brass			
						G 1/2	G 1/2	AVR AFF12	
AVR AFM - Male / Female threaded wall fastener									
		48.5	41			Nickel-plated brass			
		60	47			G 1/2	G 3/4	AVR AFM12 AVR AFM27	
AVR Y - Female threaded double wall fastener									
		100	52	7	79	Inlet	2 outlets		
		100	52	7	79	G 1/2	G 1/2	AVR Y1212	
		100	52	7	79	G 3/4	G 1/2	AVR Y2712	
		100	52	7	79	G 1/2	G 1/2 with drain	AVR Y1212P	
		100	52	7	79	G 3/4	G 1/2 with drain	AVR Y2712P	
AVR M - Female threaded wall fastener									
		81	45	8	77	1 inlet	1 outlet		
						G 1/2	G 1/2	AVR M1212	
AVR CI - Piping clamp									
						- Housing for 8 mm hex head inside clip - Delivered with one M8 nut for securing the clip to a threaded rod or for holding the head of the VBA screw.			
		50	31			20	AVR CI20		
		54	39			25	AVR CI25		
		59	49			32	AVR CI32		
		100	61			40	AVR CI40		
		107	76			50	AVR CI50		
		114	93			63	AVR CI63		
		155	119			80	AVR CI80		
		-	-			90	AVR CI90		
M8 threaded hanger									
		64	51			20	CPF 20		
		70	52			25	CPF 25		
		78	60			32	CPF 32		
		91	67			40	CPF 40		
		100	73			50	CPF 50		
		102	83			63	CPF 63		
		124	116			80	CPF 80		

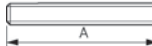
ACCESSORIES

FOR ALR AND PVR RINGMAINS

Compatible Compressor oils	Pressure PN 13 bar at 40°C	Shockproof	Installation Easy
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		A	B	C	D	DESCRIPTION	REFERENCE
Metal support bracket							
		180				Length 180 mm	Max load 133 kg (1)
		300				300 mm	80 kg (1)
		420				420 mm	56,4 kg (1)
		510				510 mm	75 kg (2)
		-	-			Screw M8 (3) on metal support CS 500	
		-	-			Screw (4) for metal support CS 180L - CS 310L - CS 420L	
							CS 180L CS 310L CS 420L CS 500 CS VIS CS VIS2
M8 Beam clip							
		47	45			3 to 8 mm (1)	CP 38
		53	45			8 to 14 mm (1)	CP 814
		58	45			14 to 20 mm (1)	CP 1420
		30	34			0 to 16 mm M6 or cross-piece (2)	CP 016
Screw Ø 6 mm							
		60				Length 60 mm	TVB 660
		90				Length 90 mm	TVB 690
Threaded screw Ø 8 mm							
		60				Length 60 mm	TVM 860
Hexagonal screw Ø 8 mm							
		50				Length 50 mm	TTF 850
		80				Length 80 mm	TTF 880
M8 threaded hanger galvanized stud							
		50				For use with all construction materials Length 50 mm	PV 80
		80				Length 80 mm	PV 880
Stud M8							
		77				M8	TL M8

ACCESSORIES FOR ALR AND PVR RINGMAINS

Compatible Compressor oils		Pressure PN 13 bar at 40°C				Shockproof		Installation Easy	
		A	B	C	D	DESCRIPTION		REFERENCE	
M8 threaded stud									
		100				Length : 1m - M8		TF M8100	
		30				Union for M8 threaded stud		TL RM8	
		-				Nut M8		TE M8	
Drill for tapping flange									
						Boring through for flange Drill diameter			
						OD pipes Ø 25 and 32mm	14 mm	AVR SP14	
						OD pipes Ø 40 to 80 mm	17 mm	AVR SP17	
Pipe cutter									
						Pipe O.D.			
						1 - 20 to 40 - Pipe cutter for PVR tube		PVR CTU40	
						2 - 50 to 110 - Pipe cutter for PVR tube		PVR CTU110	
						2 - 20 to 63 - Pipe cutter for ALR tube		ALR CTU63	
AVR CHE - Pipe chamfering and deburring tools									
						Pipe O.D.			
						1 - 20 to 50 mm		AVR CHE50	
						2 - 20 to 50 mm		AVR CHE50P	
						3 - Deburring inside / outside		AVR CHERAP	
						4 - 20 to 110 mm		PVR CHE110	
ALR CTCHE - Pipe cutting and chamfering tool									
						Pipe O.D.			
						63 and 80 mm		ALR CTCHE6380	
Chamfering tool for hammer drill									
						With adaptor for drills Pipe O.D.			
						10 to 40 mm		AVR EBA	

CONNECTION HOSES

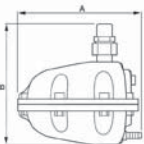
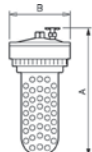
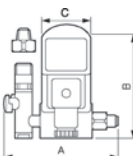


Construction Synthetic rubber, steel braid	Standard ISO 4413 - 1998	Connection Swivel	Resistance Oils, abrasion, ozone
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		Length m.	Temperature °C	Pressure Max. service pressure (bar)	Thread Gaz BSP	Bend radius at 20°C (mm)	REFERENCE
Flexible hoses to compensate for network expansion and contraction - Tapered male swivel connections							
 		0.75	-40° +70° C	105	R 3/4	240	LAM 27
		0.75	-40° +70° C	88	R 1	300	LAM 34
		1.1	-40° +70° C	63	R 1 1/4	420	LAM 42
		1.25	-40° +70° C	50	R 1 1/2	500	LAM 49
		1	-40° +70° C	40	R 2	630	LAM 60
Connection hoses - Female swivel connections							
 		1.5	-40° +110° C	180	G 3/8	130	LEF 17
		1.5	-40° +110° C	160	G 1/2	130	LEF 21
		1.5	-40° +110° C	105	G 3/4	240	LEF 27
		1.5	-40° +110° C	88	G 1	300	LEF 34
		2.2	-40° +110° C	63	G 1 1/4	420	LEF 42
		2.5	-40° +110° C	50	G 1 1/2	500	LEF 49
		2	-40° +110° C	80	G 2	630	LEF 60
Connection hoses with steel safety cable - Female swivel connections							
 		1.5	-40° + 110°C	180	G 3/8	130	LEF 17S
		1.5	-40° +110° C	160	G 1/2	130	LEF 21S
		1.5	-40° +110° C	105	G 3/4	240	LEF 27S
		1.5	-40° +110° C	88	G 1	300	LEF 34S
Connection hoses - Male swivel connections							
 		1.5	-40° +110° C	180	R 3/8	130	LEM 17
		1.5	-40° +110° C	160	R 1/2	180	LEM 21
		1.5	-40° +110° C	105	R 3/4	240	LEM 27
		1.5	-40° +110° C	80	R 1	300	LEM 34
		2.2	-40° +110° C	63	R 1 1/4	420	LEM 42
		2.5	-40° +110° C	50	R 1 1/2	500	LEM 49
		2	-40° +110° C	80	R 2	630	LEM 60
Connection hoses with steel safety cable - Male swivel connections							
 		1.5	-40° +110° C	180	R 3/8	130	LEM 17S
		1.5	-40° +110° C	160	R 1/2	180	LEM 21S
		1.5	-40° +110° C	105	R 3/4	240	LEM 27S
		1.5	-40° +110° C	88	R 3/4	300	LEM 34S

DRAINS

Automatic drains	Ease of use	Less servicing	Evacuates water, condensates, oil	Large draining capacity
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		A	B	C	DESCRIPTION	REFERENCE
Magnetic drain condensate draining						
		140	165		Condensate is automatically drained by a magnetic valve. The valve opens when a float inside reaches a certain level and closes when the float drops back down. Zero air loss. No electricity required.	
					Condensates draining : 200 l/hour 2 connections : 1/2 female G inlet 1/8 female G outlet magnetic valve	PMA 200
Automatic mechanical drain valve						
		133	53	28	Automatic drain valve with float drain Threaded inlet: G 1/2 Drain outlet: Ø 8 mm Weight: 422 g Pressure: 2 bar to 12 bar Max. temperature: 80° C	PAM 21
Automatic mechanical drain valve for high flow rates						
		216	116		Warning : Polycarbonate bowl not compatible with thinners and some oils containing esters Threaded inlet: G 1/2 Drain outlet: G 1/8 Drain flow rate at 7 bar: 560 l/h Drain weight: 1960 g Pressure: 10 bar at 20° C Temperature: 2° C to 55° C	PEA 21
Automatic drain valve kit						
		98	115	43	Ready to use kit with : - Programmable timer - 220 V solenoid for evacuating condensates - Drain trap with 1/4 turn shut-off valve - 1,2 m power lead - Ø 8 mm push fitting - 30 cm of polyurethane pipe Ø 8 mm G 3/8 or G 1/2 inlet - G 3/8 outlet	
						TEMP 38220KIT

pvr range

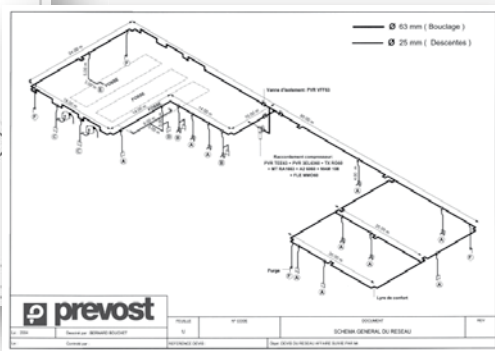
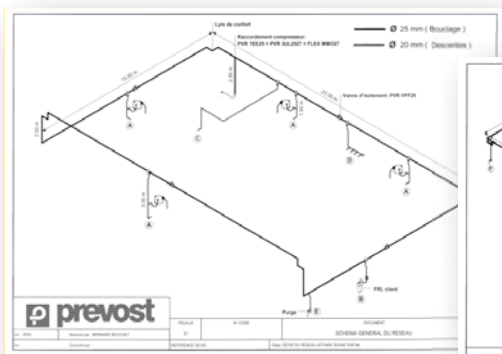
CONCEPT FOR COMPRESSED AIR NETWORKS

PVR CONCEPT / FITTINGS, ACCESSORIES AND PVR PIPES

Construct your compressed air networks easily

- ▶ Quick and easy to use
- ▶ Lasting installation
- ▶ Inalterable thermoplastic material
- ▶ Compatible with compressor oils
- ▶ Impact resistant





PLANS AND ESTIMATES ON REQUEST

for your proposed installation

MATERIAL

Composite PVC and resilient materials forming a ductile, inalterable product.

FLUID TRANSPORTED

Compressed air.

RESISTANT

- ▶ Fire resistant, self-extinguishing material, does not propagate flames.
- ▶ UV-resistant: the PVR system is not sensitive to light. However, if it is exposed facing a window or used outdoors, it should be protected with a UV screen.
- ▶ Impact resistance (in accordance with standard EN ISO 180).
- ▶ Admissible temperatures: -20°C to +50°C.

RELIABLE

- ▶ Inalterable material, no maintenance required.
- ▶ Compatible with compressor oils.
- ▶ No contamination of air from the pipe.

INSTALLATION

Install the network by assembling pipes and couplings by cold welding.

The wide range of available couplings and accessories enables the network to be adapted to the workshop configuration. The installation cost is reduced.

COLOUR

The PVR system is coloured with a blue pigment in the material. The colour complies with standard NFX 08-100.

PRESSURE

Pipe dia. 20 to 90 mm

- ▶ PN 13 bar at 23°C
- ▶ PN 7 bar at 50°C

BASIC NETWORK INSTALLATION RULES

- The main network must be a loop, equipped with fixed points and expansion bends.
- The main pipe should be large enough to cater for future extensions and avoid pressure drops.
- The main pipe must be fixed at a slight incline in order to drain condensates to low points (bleeds).
- Pressurisation, test at 10 bar:
 - 10 min after fitting for pipe dia. 20 to 63 mm,
 - 60 min after fitting for pipe dia. 90 mm.

We recommend waiting 12 hours before final pressurisation, depending on the installation conditions (temperature 20°C, ambient humidity).

**TECHNICAL MANUAL and
ASSEMBLY INSTRUCTION**
available on request

PVR CONCEPT / FITTINGS, ACCESSORIES AND PVR PIPES

DEFINE THE PIPE DIAMETER ACCORDING TO THE FLOW RATE

The diameter is calculated taking into account:

- The desired flow rate (max. pressure drop 5% relative to inlet pressure)
- Required length of main pipe

Pipe Ø	Ø 20	Ø 25	Ø 32	Ø 40	Ø 50	Ø 63	Ø 90
Length							
50 m	42	83	156	300	540	1075	2900
75 m	33	66	125	240	425	850	2300
100 m	28	56	105	200	360	720	1950
150 m		45	84	160	285	570	1550
200 m		38	71	135	243	480	1320
300 m		30	57	110	192	380	1050
400 m			47	93	162	325	890
500 m			42	81	145	285	775
750 m			34	65	113	225	625
1000 m			28	55	97	195	530

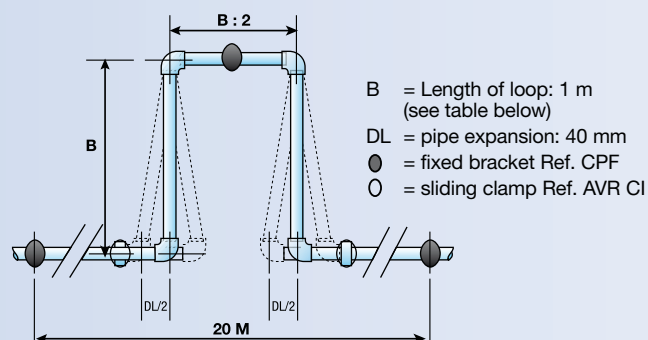
*in mm

** at 6 bar, in m³/h

- The table below can be used to determine the pipe diameter* depending on the network length and flow rate ** to be distributed

Example: Pipe length: 280 metres
Flow rate: 110 m³/h (1 hp = approx. 7 m³/h)
Recommended tube diameter = 40 mm

► EXPANSION LOOPS



EXPANSION AS A FUNCTION OF TEMPERATURE

To compensate for expansion or contraction phenomena due to temperature variations, the PVR network must be fitted with absorption mechanisms. These mechanisms must be supported on sliding brackets. The network expands when the operating temperature rises and contracts when it falls.

- These variations are measured based on the expansion coefficient:
Expansion coefficient: 0.075 mm per metre and per degree.

Expansion is calculated as follows:

C = expansion coefficient

L = length of straight line in m (between two fixed point)

ΔT° = difference between installation temperature and operating temperature, in $^\circ\text{C}$.

DL = overall expansion

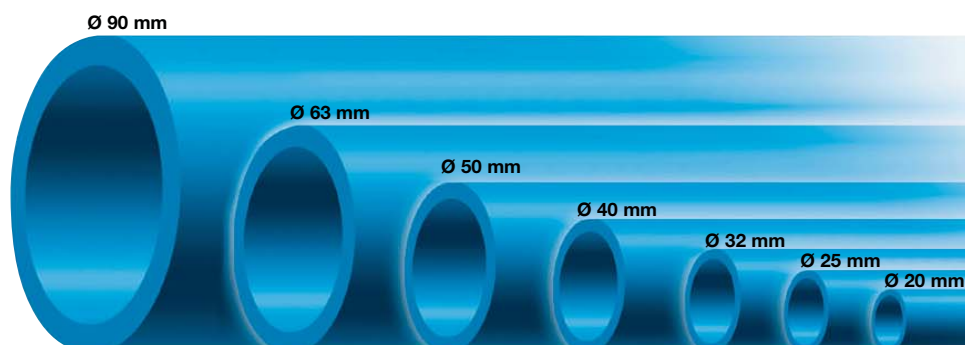
Where $DL = C \times L \times \Delta T^\circ$

EXAMPLE: a 20-metre line of 50 mm pipe, installed at an ambient temperature of 15°C and subjected to a maximum temperature of 40°C
Giving ΔT° : 25°C difference between installation and operation
Or DL:
 $0,075 \times 20 \text{ (m)} \times 25 \text{ (} 40^\circ\text{C} - 15^\circ\text{C)} = 37 \text{ mm}$

► EXPANSION LOOP LENGTH

Calculation as a function of overall expansion (DL) and pipe diameter

Pipe Expansion in mm	Ø 20	Ø 25	Ø 32	Ø 40	Ø 50	Ø 63	Ø 90
10 mm	25 cm	30 cm	35 cm	40 cm	45 cm	50 cm	60 cm
20 mm	35 cm	40 cm	45 cm	50 cm	60 cm	65 cm	85 cm
30 mm	45 cm	50 cm	55 cm	70 cm	80 cm	90 cm	125 cm
40 mm	50 cm	60 cm	70 cm	85 cm	100 cm	115 cm	155 cm
50 mm	65 cm	70 cm	85 cm	100 cm	120 cm	140 cm	190 cm
60 mm	70 cm	80 cm	95 cm	115 cm	140 cm	160 cm	-
70 mm	75 cm	90 cm	110 cm	130 cm	160 cm	180 cm	-
80 mm	85 cm	100 cm	125 cm	145 cm	180 cm	200 cm	-



Installation principle:



CUT

Pipes must be cut straight. Use a metal saw and mitre box, or preferably a pipe cutter ref. **PVR CTU**.



DEBURR CHAMFER

After cutting a pipe, deburr the inside. To ensure that the glue is distributed uniformly, cut a chamfer on the exterior of the pipe (half the thickness of the pipe). Chamfer tool: ref. **PVR CHE**.



CLEAN

Degrease the exterior of the pipe and the interior of the union to eliminate all traces of grease. This ensures a perfect weld. Degrease using a cloth soaked in cleaner ref. **PVR DEC**. To visualise the length of pipe to be cleaned and glued, draw a line on the pipe at the length to be inserted.



GLUE

Use the melting product «**PVR COL**» Temp.: +5 to +25°C Apply the product to the part of the pipe to be inserted, as two thin crossed coats, with the second applied lengthwise, then inside the join using the brush supplied in the cap.



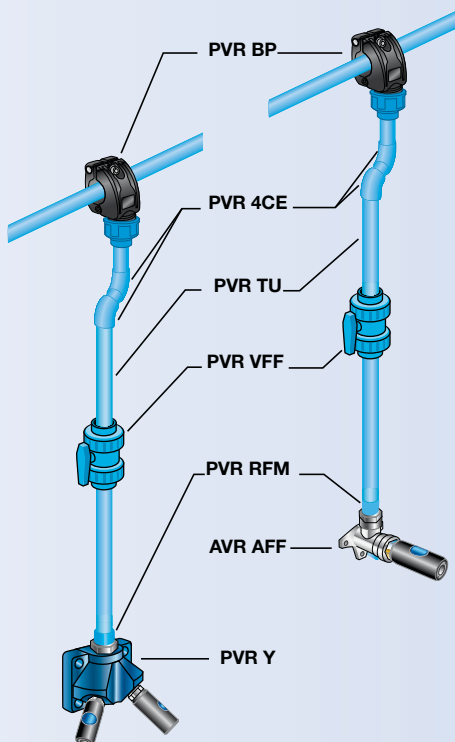
INSERT

Immediately after applying the glue, insert the parts into each other fully, pushing lengthwise but without rotating.

PVR CONCEPT

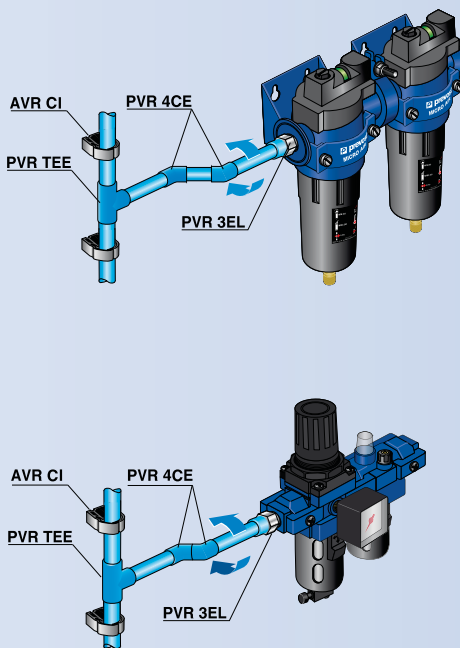
DOWNPIPES

Bypass flange to reduce water and condensate content in air



FITTING COMPRESSED AIR TREATMENT FACILITIES

45° elbows can be used to offset the filtering facilities from the network



SELECTING MOUNTING METHODS DEPENDING ON THE ENVIRONMENT



WALL MOUNTING

Pipe installed with sliding M8 clamps, anchored directly to the wall. To be located as close as possible to the coupling (maximum 20 cm). Clamps Ref. **AVRCI** Screw Ref. **PV 80**



CEILING MOUNTING

Pipe installed with sliding clamps, held by a threaded stud anchored to the metal framework (IPN) by appropriate clips. Mounting clips depending on framework thickness: Ref. **CP 38**, Ref. **CP 1420** or Ref. **CP 016** + M8 studs Ref. **TF M8100**



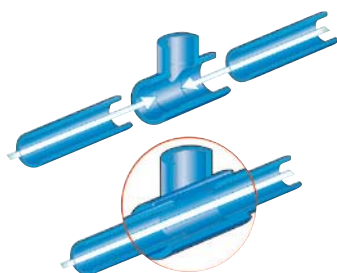
PLINTH MOUNTING

Pipe installed with sliding clamps, fixed to a metal plinth to install the network, avoiding obstacles. Bracket: Ref. **CS 180L** - Ref. **CS 310L** Ref. **CS 420L** - Ref. **CS 500L**



► COLD WELDINGD

Assembly by cold welding melts the assembled parts.



OD	Number of bonding operations			Number of stripping operations	
	250 ml tub	500 ml tub	1,000 ml tub	500 ml tub	
dia. 20	105	210	425	415	
dia. 25	100	200	410	410	
dia. 32	80	160	330	330	
dia. 40	30	60	125	125	
dia. 50	27	54	110	100	
dia. 63	25	50	100	90	
dia. 90	12	24	60	60	

► DRYING TIME

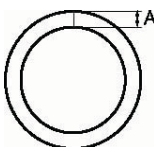
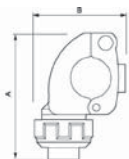
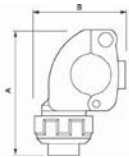
Glue drying time varies depending on the ambient temperature and humidity.

To guarantee bonding strength when pressurised, allow the following times:

OD	Test	Pressure
ALR tube	at 10 bar	final
dia. 20 to 63 mm	10 min	12 hours
dia. 90 mm	60 min	12 hours

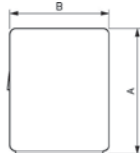
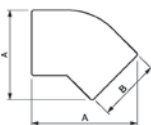
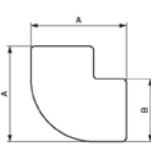
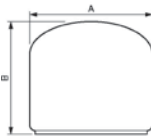
SYSTEM PVR FOR COMPRESSED AIR RINGMAINS

Shockproof	Self-extinguishing Does not spread flames	Corrosion-proof treatment Does not degrade	Compatible Compressor oils	Airtight Test 10 min. after assembly	Installation Quickly	Construction Ductile PVC alloy	Pressure 13 bar at 20° C
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		A	B	DESCRIPTION		REFERENCE
PVR TU - Rigid PVC pipe - 4-meter bars						
				OD		
		2.2		20		PVR TU20
		2.5		25		PVR TU25
		3.4		32		PVR TU32
		3.8		40		PVR TU40
		5.1		50		PVR TU50
		5.8		63		PVR TU63
		7.8		90		PVR TU90
PVR BP - Tapping flange for tube						
				Main network pipe OD	Downpipe OD	
		110	70	25	20 mm	PVR BP2520
		110	70	32	20 mm	PVR BP3220
		121	83	40	20 mm	PVR BP4020
		121	87	40	25 mm	PVR BP4025
		150	105	50	20 mm	PVR BP5020
		150	105	50	25 mm	PVR BP5025
		150	111	63	20 mm	PVR BP6320
		150	111	63	25 mm	PVR BP6325
		150	111	63	32 mm	PVR BP6332
AVR BT - Threaded tapping flange						
				Main network pipe OD	BSP Gas tapping	
		110	70	25	G 1/2	AVR BT2512
		110	70	32	G 1/2	AVR BT3212
		121	83	40	G 1/2	AVR BT4012
		121	87	40	G 3/4	AVR BT4027
		150	105	50	G 1/2	AVR BT5012
		150	105	50	G 3/4	AVR BT5027
		150	111	63	G 1/2	AVR BT6312
		150	111	63	G 3/4	AVR BT6327
		150	111	63	G 1	AVR BT6334

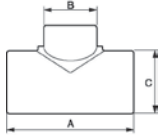
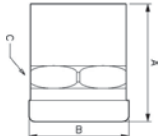
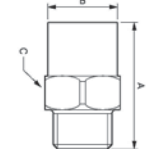
PVR PIPE AND COLD-WELD FITTINGS

Corrosion-proof treatment Does not degrade	Self-extinguishing Does not spread flames	Compatible Compressor oils	Modular	Installation Quickly	Construction Ductile PVC alloy	Airtight Test 10 min. after assembly	Shockproof
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		A	B	C	D	DESCRIPTION	REFERENCE
PVR UNI - Female union							
		34	28			For pipe OD 20	PVR UNI20
		41	34			25	PVR UNI25
		47	42			32	PVR UNI32
		55	51			40	PVR UNI40
		65	61			50	PVR UNI50
		79	75			63	PVR UNI63
		107	106			90	PVR UNI90
PVR 4CE- Equal female 45° elbow							
		48	28			For pipe OD 20	PVR 4CE20
		54	34			25	PVR 4CE25
		65	42			32	PVR 4CE32
		76	51			40	PVR 4CE40
		92	61			50	PVR 4CE50
		114	75			63	PVR 4CE63
		158	105			90	PVR 4CE90
PVR 9CE - Equal female 90° elbow							
		40	26.5			For pipe OD 20	PVR 9CE20
		50	32.5			25	PVR 9CE25
		59	41			32	PVR 9CE32
		74	50			40	PVR 9CE40
		88	60			50	PVR 9CE50
		108	75			63	PVR 9CE63
		149	106			90	PVR 9CE90
PVR BOU - Female cap							
		28	27			For pipe OD 20	PVR BOU20
		33	31			25	PVR BOU25
		41	36			32	PVR BOU32
		50	43			40	PVR BOU40
		60	49			50	PVR BOU50
		75	57			63	PVR BOU63
		106	80			90	PVR BOU90

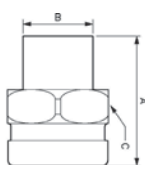
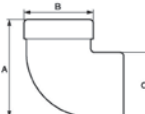
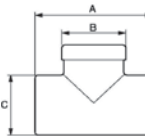
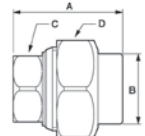
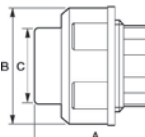
PVR PIPE AND COLD-WELD FITTINGS

Corrosion-proof treatment Does not degrade	Self-extinguishing Does not spread flames	Compatible Compressor oils	Modular	Installation Quickly	Construction Ductile PVC alloy	Airtight Test 10 min. after assembly	Shockproof
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		A	B	C	D	DESCRIPTION	REFERENCE		
PVR TEE - Equal female tee piece									
						For pipe OD			
		54	27.5			20	PVR TEE20		
		66	33.5			25	PVR TEE25		
		78	42			32	PVR TEE32		
		94	51			40	PVR TEE40		
		114	61			50	PVR TEE50		
		142	75			63	PVR TEE63		
		196	106			90	PVR TEE90		
PVR TER - Female - female - female reducing tee piece									
						For pipe OD	For pipe OD		
		66	27.5	33.5		25	20 mm	PVR TER2520	
		78	27.5	42		32	20 mm	PVR TER3220	
		78	33.5	42		32	25 mm	PVR TER3225	
		94	27.5	51		40	20 mm	PVR TER4020	
		94	33.5	51		40	25 mm	PVR TER4025	
		114	27.5	61		50	20 mm	PVR TER5020	
		114	33.5	61		50	25 mm	PVR TER5025	
		142	27.5	75		63	20 mm	PVR TER6320	
		142	33.5	75		63	25 mm	PVR TER6325	
196	51	106		90	40 mm	PVR TER9040			
PVR RFT - Straight threaded female conector									
		35	28	27.5		20	G 1/2	PVR RFT2012	
		42	34	33.5		25	G 3/4	PVR RFT2527	
		48	42	42		32	G 1	PVR RFT3234	
PVR RFM - Straight threaded female conector for colf-weld fitting or pipe									
						Fitting ID	Pipe OD	BSP Gas thread	
		43	20	24		20	16	G 1/2	PVR RFM162012
		46	25	27		25	20	G 1/2	PVR RFM202512
		50	32	36		32	25	G 3/4	PVR RFM253227
		57	40	42		40	32	G 1	PVR RFM324034
		67	50	55		50	40	G 1 1/4	PVR RFM405042
		74	63	65		63	50	G 1 1/2	PVR RFM506349
		84	75	75		75	63	G 2	PVR RFM637560

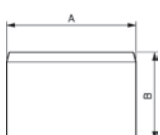
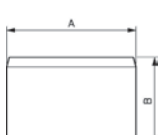
PVR PIPE AND COLD-WELD FITTINGS

Corrosion-proof treatment Does not degrade	Self-extinguishing Does not spread flames	Compatible Compressor oils	Modular	Installation Quickly	Construction Ductile PVC alloy	Airtight Test 10 min. after assembly	Shockproof
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		A	B	C	D	DESCRIPTION	REFERENCE
PVR RMT - Threaded straight fitting							
		40.5	20	30		Fitting ID 20 BSP Gas thread G 1/2	PVR RMT2012
		45	25	36		25 G 3/4	PVR RMT2527
PVR 9CT - Tapered female 90° elbow							
		41	27.5	26.5		20 G 1/2	PVR 9CT2012
		51	33.5	32.5		25 G 3/4	PVR 9CT2527
PVR TET - Threaded female - female tee piece							
		54	27.5	28.5		20 G 1/2	PVR TET2012
		66	33.5	34.5		25 G 3/4	PVR TET2527
		78	42	43		32 G 1	PVR TET3234
PVR 3UL - Threaded 3-piece female brass union							
		43	29	25	44	20 G 1/2	PVR 3UL2012
		49.5	34	32	47	25 G 3/4	PVR 3UL2527
		53	41.5	38	55	32 G 1	PVR 3UL3234
		61	51.5	47	65	40 G 1 1/4	PVR 3UL4042
		69	59	54	72	50 G 1 1/2	PVR 3UL5049
		80	74	67	89	63 G 2	PVR 3UL6360
PVR 3UN - 3-piece female - female union							
		45	27.5	27.5		For pipe OD 20	PVR 3UN20
		51	34	34.5		25	PVR 3UN25
		57	41	41.5		32	PVR 3UN32
		67	51	51.5		40	PVR 3UN40
		79	59	59		50	PVR 3UN50
		98	96	74		63	PVR 3UN63

PVR PIPE AND COLD-WELD FITTINGS

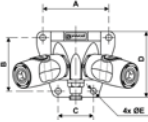
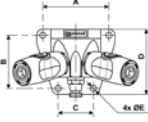
Corrosion-proof treatment Does not degrade	Self-extinguishing Does not spread flames	Compatible Compressor oils	Modular	Installation Quickly	Construction Ductile PVC alloy	Airtight Test 10 min. after assembly	Shockproof
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		A	B	C	D	DESCRIPTION		REFERENCE
PVR RDS - Reducer								
						Fitting ID	For pipe OD	
		25	19			25	20	PVR RDS2520
		32	22			32	25	PVR RDS3225
		40	26			40	32	PVR RDS4032
		50	31			50	40	PVR RDS5040
		63	38			63	50	PVR RDS6350
PVR RDD - Double reducer								
						Fitting ID	For pipe OD	
		32	22			32	20	PVR RDD3220
		32	22			40	25	PVR RDD4025
		40	26			50	32	PVR RDD5032
		50	31			63	40	PVR RDD6340
		90	51			90	63	PVR RDD9063

PREVO S1 WALL FASTENERS

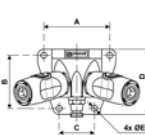
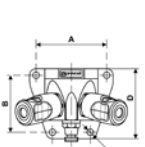
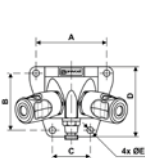
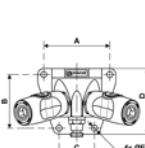
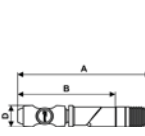
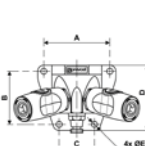
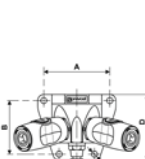
NEW

Pressure PN 12 bar	Construction Xall fastener : aluminium alloy	Safety avoids hose whip	Installation 4 fastening holes	Manual drain	Swivel body
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		A	B	C	D	E	DESCRIPTION		REFERENCE
Female threaded double wall fastner - 2 couplings and drain - ISO B Profile - ID passage 6 mm									
							Female threaded inlet	Outlet: 2 couplings	
		71	57	38	70	6,5	G 1/2	2 ISI 06 couplers	ISI 068103WF
		71	57	38	70	6,5	G 3/4	2 ISI 06 couplers	ISI 068104WF
Female threaded double wall fastner - 2 couplings and drain - ISO B Profile - ID passage 8 mm									
							Female threaded inlet	Outlet: 2 couplings	
		71	57	38	70	6,5	G 1/2	2 ISI 08 couplers	ISI 088103WF
		71	57	38	70	6,5	G 3/4	2 ISI 08 couplers	ISI 088104WF

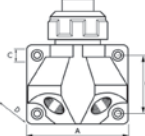
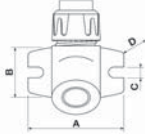
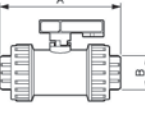
PREVO S1 WALL FASTENERS

NEW

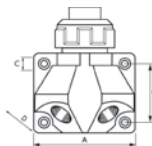
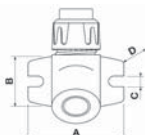
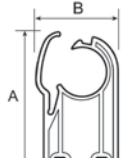
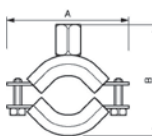
Pressure PN 12 bar		Construction Xall fastener : aluminium alloy		Safety avoids hose whip		Installation 4 fastening holes		Manual drain		Swivel body	
				A	B	C	D	E	DESCRIPTION		REFERENCE
Female threaded double wall fastner - 2 couplings and drain - European High Flow Profile 7.2 mm											
		71	57	38	70	6,5	Female threaded inlet Outlet: 2 couplings				
		71	57	38	70	6,5	G 1/2	2 ESI 07 couplers	ESI 078103WF		
							G 3/4	2 ESI 07 couplers	ESI 078104WF		
Female threaded double wall fastner - 2 couplings and drain - ISO C Profile - ID passage 6 mm											
		71	57	38	70	6,5	Female threaded inlet Outlet: 2 couplings				
		71	57	38	70	6,5	G 1/2	2 CSI 06 couplers	CSI 068103WF		
							G 3/4	2 CSI 06 couplers	CSI 068104WF		
Female threaded double wall fastner - 2 couplings and drain - ISO C Profile - ID passage 8 mm											
		71	57	38	70	6,5	Female threaded inlet Outlet: 2 couplings				
		71	57	38	70	6,5	G 1/2	2 CSI 08 couplers	CSI 088103WF		
							G 3/4	2 CSI 08 couplers	CSI 088104WF		
Female threaded double wall fastner - 2 couplings and drain - ARO Profile - ID passage 6 mm											
		71	57	38	70	6,5	Female threaded inlet Outlet: 2 couplings				
		71	57	38	70	6,5	G 1/2	2 ASI 06 couplers	ASI 068103WF		
							G 3/4	2 ASI 06 couplers	ASI 068104WF		
Female threaded double wall fastner - 2 couplings and drain - British Profile - ID passage 6 mm											
		71	57	38	70	6,5	Female threaded inlet Outlet: 2 couplings				
							G 3/4	2 BSI 06 couplers	BSI 068104WF		
Female threaded double wall fastner - 2 couplings and drain - Truflate Profile - ID passage 6 mm											
		71	57	38	70	6,5	Female threaded inlet Outlet: 2 couplings				
		71	57	38	70	6,5	NPT 1/2	2 USI 06 couplers	USI 068203WF		
							NPT 3/4	2 USI 06 couplers	USI 068204WF		
Female threaded double wall fastner - 2 couplings and drain - Truflate Profile - ID passage 8 mm											
		71	57	38	70	6,5	Female threaded inlet Outlet: 2 couplings				
							NPT 1/2	2 USI 08 couplers	USI 088203WF		
							NPT 3/4	2 USI 08 couplers	USI 088204WF		

ACCESSORIES FOR PVR RINGMAINS

Corrosion-proof treatment Does not degrade	Self-extinguishing Does not spread flames	Compatible Compressor oils	Modular	Installation Quickly	Construction Ductile PVC alloy	Airtight Test 10 min. after assembly	Shockproof
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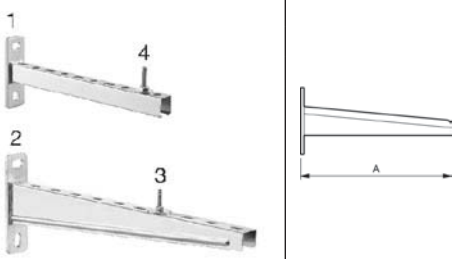
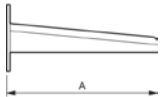
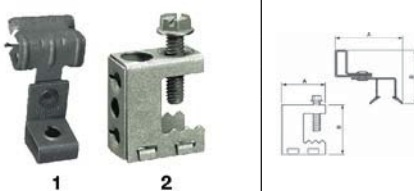
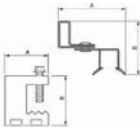
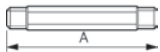
		A	B	C	D	DESCRIPTION		REFERENCE
PVR Y - Female threaded double wall fastener								
		100	52	7	79	Inlet for pipe	2 outlets	PVR Y20
		100	52	7	79	Ø 20	G 1/2	PVR Y25
		100	52	7	79	Ø 25	G 1/2	PVR YP20
		100	52	7	79	Ø 20	G 1/2 with drain	PVR YP25
		100	52	7	79	Ø 25	G 1/2 with drain	PVR YP25
PVR M - Wall fastener with 1 inlet for pipe and 1 female threaded outlet								
		81	45	8	77	Ø 20	G 1/2	PVR M2012
		81	45	8	77	Ø 25	G 1/2	PVR M2512
PVR VFF - Ball valve for pipe								
		80	73			20		PVR VFF20
		91	84			25		PVR VFF25
		102	96			32		PVR VFF32
		120	115			40		PVR VFF40
		144	135			50		PVR VFF50
		172	160			63		PVR VFF63
PVR COB - Sealless ribbed collar								
		125	108			90		PVR COB90
PVR BRI - Flange								
		200	20			90		PVR BRI90
PVR JNT - Seal								
						90		PVR JNT90
PVR DEC - Stripper for PVR pipe								
						Degreaser / cleaner 500 ml can		PVR DEC500
PVR COL - Glue and brush for PVR pipe								
						Glue for assembling fittings and pipe (brush under cap).		
						Bottle :		
						250 ml		PVR COL250
						500 ml		PVR COL500
						1000 ml		PVR COL1000
PVR KITM - Assembly kit for PVR pipe								
						Includes :		
						1 Chamfering tool for pipe OD : 20 to 50 1 Stripper - 500 ml 1 Glue and brush - 500 ml		PVR KITM

ACCESSORIES FOR ALR AND PVR RINGMAINS

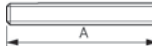
Compatible Compressor oils		Pressure PN 13 bar at 40°C				Shockproof		Installation Easy	
		A	B	C	D	DESCRIPTION		REFERENCE	
AVR AFF - Female threaded wall fastener									
		50	41			Nickel-plated brass			
						G 1/2	G 1/2	AVR AFF12	
AVR AFM - Male / Female threaded wall fastener									
		48.5	41			Nickel-plated brass			
		60	47			G 1/2	G 3/4	AVR AFM12 AVR AFM27	
AVR Y - Female threaded double wall fastener									
		100	52	7	79	Inlet	2 outlets		
		100	52	7	79	G 1/2	G 1/2	AVR Y1212	
		100	52	7	79	G 3/4	G 1/2	AVR Y2712	
		100	52	7	79	G 1/2	G 1/2 with drain	AVR Y1212P	
		100	52	7	79	G 3/4	G 1/2 with drain	AVR Y2712P	
AVR M - Female threaded wall fastener									
		81	45	8	77	1 inlet	1 outlet		
						G 1/2	G 1/2	AVR M1212	
AVR CI - Piping clamp									
						- Housing for 8 mm hex head inside clip - Delivered with one M8 nut for securing the clip to a threaded rod or for holding the head of the VBA screw.			
		50	31			20	AVR CI20		
		54	39			25	AVR CI25		
		59	49			32	AVR CI32		
		100	61			40	AVR CI40		
		107	76			50	AVR CI50		
		114	93			63	AVR CI63		
		155	119			80	AVR CI80		
		-	-			90	AVR CI90		
M8 threaded hanger									
		64	51			20	CPF 20		
		70	52			25	CPF 25		
		78	60			32	CPF 32		
		91	67			40	CPF 40		
		100	73			50	CPF 50		
		102	83			63	CPF 63		
		124	116			80	CPF 80		

ACCESSORIES FOR ALR AND PVR RINGMAINS

Compatible Compressor oils	Pressure PN 13 bar at 40°C	Shockproof	Installation Easy
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		A	B	C	D	DESCRIPTION	REFERENCE	
Metal support bracket								
		180				Length 180 mm	Max load 133 kg (1)	CS 180L
		300				300 mm	80 kg (1)	CS 310L
		420				420 mm	56,4 kg (1)	CS 420L
		510				510 mm	75 kg (2)	CS 500
		-	-			Screw M8 (3) on metal support CS 500		CS VIS
		-	-			Screw (4) for metal support CS 180L - CS 310L - CS 420L		CS VIS2
M8 Beam clip								
		47	45			3 to 8 mm (1)		CP 38
		53	45			8 to 14 mm (1)		CP 814
		58	45			14 to 20 mm (1)		CP 1420
		30	34			0 to 16 mm M6 or cross-piece (2)		CP 016
Screw Ø 6 mm								
		60				Length 60 mm		TVB 660
		90				Length 90 mm		TVB 690
Threaded screw Ø 8 mm								
		60				Length 60 mm		TVM 860
Hexagonal screw Ø 8 mm								
		50				Length 50 mm		TTF 850
		80				Length 80 mm		TTF 880
M8 threaded hanger galvanized stud								
		50				For use with all construction materials Length 50 mm		PV 80
		80				Length 80 mm		PV 880
Stud M8								
		77				M8		TL M8

ACCESSORIES FOR ALR AND PVR RINGMAINS

Compatible Compressor oils		Pressure PN 13 bar at 40°C				Shockproof		Installation Easy	
		A	B	C	D	DESCRIPTION		REFERENCE	
M8 threaded stud									
		100				Length : 1m - M8		TF M8100	
		30				Union for M8 threaded stud		TL RM8	
		-				Nut M8		TE M8	
Drill for tapping flange									
						Boring through for flange Drill diameter			
						OD pipes Ø 25 and 32mm	14 mm	AVR SP14	
						OD pipes Ø 40 to 80 mm	17 mm	AVR SP17	
Pipe cutter									
						Pipe O.D.			
						1 - 20 to 40 - Pipe cutter for PVR tube		PVR CTU40	
						2 - 50 to 110 - Pipe cutter for PVR tube		PVR CTU110	
						2 - 20 to 63 - Pipe cutter for ALR tube		ALR CTU63	
AVR CHE - Pipe chamfering and deburring tools									
						Pipe O.D.			
						1 - 20 to 50 mm		AVR CHE50	
						2 - 20 to 50 mm		AVR CHE50P	
						3 - Deburring inside / outside		AVR CHERAP	
						4 - 20 to 110 mm		PVR CHE110	
ALR CTCHE - Pipe cutting and chamfering tool									
						Pipe O.D.			
						63 and 80 mm		ALR CTCHE6380	
Chamfering tool for hammer drill									
						With adaptor for drills			
						Pipe O.D. 10 to 40 mm		AVR EBA	

CONNECTION HOSES

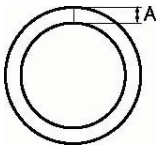
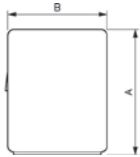
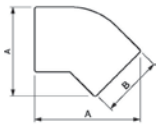
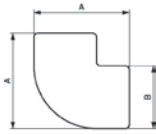
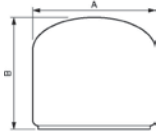


Construction Synthetic rubber, steel braid	Standard ISO 4413 - 1998	Connection Swivel	Resistance Oils, abrasion, ozone
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		Length m.	Temperature °C	Pressure Max. service pressure (bar)	Thread Gaz BSP	Bend radius at 20°C (mm)	REFERENCE
Flexible hoses to compensate for network expansion and contraction - Tapered male swivel connections							
 		0.75	-40° +70° C	105	R 3/4	240	LAM 27
		0.75	-40° +70° C	88	R 1	300	LAM 34
		1.1	-40° +70° C	63	R 1 1/4	420	LAM 42
		1.25	-40° +70° C	50	R 1 1/2	500	LAM 49
		1	-40° +70° C	40	R 2	630	LAM 60
Connection hoses - Female swivel connections							
 		1.5	-40° +110° C	180	G 3/8	130	LEF 17
		1.5	-40° +110° C	160	G 1/2	130	LEF 21
		1.5	-40° +110° C	105	G 3/4	240	LEF 27
		1.5	-40° +110° C	88	G 1	300	LEF 34
		2.2	-40° +110° C	63	G 1 1/4	420	LEF 42
		2.5	-40° +110° C	50	G 1 1/2	500	LEF 49
		2	-40° +110° C	80	G 2	630	LEF 60
Connection hoses with steel safety cable - Female swivel connections							
 		1.5	-40° + 110°C	180	G 3/8	130	LEF 17S
		1.5	-40° +110° C	160	G 1/2	130	LEF 21S
		1.5	-40° +110° C	105	G 3/4	240	LEF 27S
		1.5	-40° +110° C	88	G 1	300	LEF 34S
Connection hoses - Male swivel connections							
 		1.5	-40° +110° C	180	R 3/8	130	LEM 17
		1.5	-40° +110° C	160	R 1/2	180	LEM 21
		1.5	-40° +110° C	105	R 3/4	240	LEM 27
		1.5	-40° +110° C	80	R 1	300	LEM 34
		2.2	-40° +110° C	63	R 1 1/4	420	LEM 42
		2.5	-40° +110° C	50	R 1 1/2	500	LEM 49
		2	-40° +110° C	80	R 2	630	LEM 60
Connection hoses with steel safety cable - Male swivel connections							
 		1.5	-40° +110° C	180	R 3/8	130	LEM 17S
		1.5	-40° +110° C	160	R 1/2	180	LEM 21S
		1.5	-40° +110° C	105	R 3/4	240	LEM 27S
		1.5	-40° +110° C	88	R 3/4	300	LEM 34S

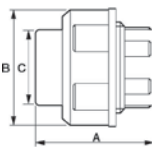
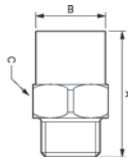
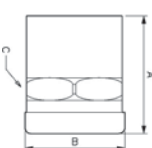
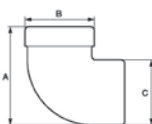
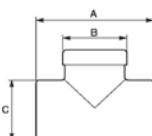
SYSTEM PNE FOR NITROGEN RINGMAINS

Corrosion-proof treatment Does not degrade	Self-extinguishing Does not spread flames	Compatible compressor oils	Modular	Installation Quickly	Construction Ductile PVC alloy	Airtight Test 10 min. after assembly	Shockproof
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		A	B	C	DESCRIPTION	REFERENCE
PNE TU - Rigid PVC pipe - 4-meter bars						
		3.8			OD Ø 32 mm	PNE TU32
PNE UNI - Female union						
		47	42		Pipe OD Ø 32 mm	PNE UNI32
PNE 4CE- Equal female 45° elbow						
		65	42		Pipe OD Ø 32 mm	PNE 4CE32
PNE 9CE - Equal female 90° elbow						
		59	41		Pipe OD Ø 32 mm	PNE 9CE32
PNE BOU - Female cap						
		41	36		Pipe OD Ø 32 mm	PNE BOU32
PNE TEE - Equal female tee piece						
		78	42		Pipe OD Ø 32 mm	PNE TEE32

SYSTEM PNE FOR NITROGEN RINGMAINS

Corrosion-proof treatment Does not degrade	Self-extinguishing Does not spread flames	Compatible compressor oils	Modular	Installation Quickly	Construction Ductile PVC alloy	Airtight Test 10 min. after assembly	Shockproof
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		A	B	C	DESCRIPTION	REFERENCE	
PNE 3UN - 3-piece female - female union							
		57	41	41.5	Pipe OD Ø 32 mm	PNE 3UN32	
PNE RFM - Straight threaded female conector							
		57	40	42	Pipe OD Ø 32 mm	BSP Gas thread G 1	PNE RFM324034
		60	40	46	Ø 32 mm	G 1 1/4	PNE RFM324042
PNE RFT - Straight threaded female conector							
		48	42	42	Pipe OD Ø 32 mm	BSP Gas thread G 1	PNE RFT3234
PNE 9CT - Tapered female 90° elbow							
		60	42	41	Pipe OD Ø 32 mm	BSP Gas thread G 1	PNE 9CT3234
PNE TET - Threaded female - female tee piece							
		78	42	43	Pipe OD Ø 32 mm	BSP Gas thread G 1	PNE TET3234
Inflator gauge							
					Inflator gauge with paddle trigger - for cars, motorcycles and HGVs Female G 1/4	PNE 27101	

safety valves

QUICK VENTING SAFETY VALVES

EQUIPMENT PROTECTION

Automatic operation

If the pressure exceeds the rated value, the valve seat rises, opening the discharge orifice and venting the excess to the atmosphere.

The valve closes once the pressure conditions return to normal.

Maximum safety

Pressure release valves are essential safety devices for protecting equipment and operators against excess pressure in the circuit.

Using a proven technology, they provide a perfect seal and guarantee against hazardous phenomena due to high flow rates or pressures.

They feature a manual operating test wheel.

Compliance

Supplied at the desired rating, in a sealed package with tamperproof cap.

Declaration of conformity, rating specifications, installation and servicing instructions supplied.

TÜV and **I.S.P.E.L.** type approval

CE 0044 category IV approval

Manufacturing number engraved on the valve body.



Example of flow rate (Nm³/h)
as a function of pressure (bar)

	G 1/4	G 3/8	G 1/2	G 3/4	G 1
Ref	A23 14T	A23 38T	A23 12T	A23 34T	A23 01T
Pressure					
3	88	177	214	30	610
6	155	313	379	530	1079
7	178	358	434	607	1235
8	200	404	489	694	1392
9	223	449	544	761	1548
10	146	495	599	838	1708
12	392	586	708	991	2022
15	360	724	873	1222	2497
16	382	770	928	1299	2654
20		955	1148	1606	3291
25		1183	1422	1990	
30		1411	1697	2374	

safety valves

QUICK RELEASE SAFETY VALVES		
DESCRIPTION		PART NUMBER
Pressure release valves compliant with directive 97/23/EC type-approved, rated and sealed.		
Thread BSP Gas	Rating range 0.5 bar steps	
G 1/4		
	0,5 à 12 12,5 à 20 20,5 à 30	A23 14T... A23 14T... A23 14T...
G 3/8		
	0,5 à 12 12,5 à 20 20,5 à 30	A23 38T... A23 38T... A23 38T...
G 1/2		
	0,5 à 12 12,5 à 20 20,5 à 30	A23 12T... A23 12T... A23 12T...
G 3/4		
	0,5 à 12 12,5 à 20 20,5 à 30	A23 34T... A23 34T... A23 34T...
G 1		
	0,5 à 12 12,5 à 20 20,5 à 21	A23 01T... A23 01T... A23 01T...

On ordering: it is **essential** to specify the valve reference and rated pressure in bar for each pressure release valve.

Example:
G 1/4 pressure release valve
Pressure: 6.5 bar
Reference: A23 14T6,5

hose reels

AUTOMATIC HOSE REELS

RATIONAL SUPPLY FOR TOOLS AT WORK STATIONS

Automatic hose reels are essential basic equipment for workshops. They save time and improve comfort and safety when using flexible distribution hoses.

The range is available for the following fluids:

- ▶ Compressed air
- ▶ Hot and cold water, at high or low pressure
- ▶ Oil, grease
- ▶ Oxygen and acetylene and for electrical power supply



Each hose retriever features a quick coupling for connecting and changing tools quickly and safely.

Depending on the type of hose retriever and its typical use, metallic, polymer, standard or safety quick couplings are fitted on the outlets.

WORKPLACE EFFICIENCY

When needed, the operator unreels the optimum length of hose for his work, and blocks the hose at this length (a gentle tug on the hose sets the ratchet).

He or she can then work unhampered by the weight and bulk of the hose.

After releasing the ratchet by pulling gently on the hose, it is reeled in automatically.

EASY TO INSTALL AND OPERATE

Fixed to a wall or ceiling or placed on a trolley, equipped with a fixed bracket or a 180° pivoting bracket, the hose retriever adapts to the workshop configuration and has a wide range of action.

The units are easily connected to the air network with a 1-metre supply hose and a 360° rotating coupling on the casing (fixed coupling on the DRF model).

Tools are quickly and safely connected, as each hose retriever features a quick coupling on the hose outlet.

In the standby position, a travel limit stop can be used to set the length of hose that remains outside the reel.

SAFETY DURING USE

Automatic hose storage after use protects the operator against any risk of accident:

- hose pierced by a sharp object
- hose accidentally caught around workshop fixtures
- risks of tripping on hoses lying on the ground

HOSE PROTECTION

A return spring system allows the hose to be quickly and easily reeled in for storage.

Hoses are protected when wound on the reel, instead of remaining on the floor exposed to contaminants, abrasion and crushing, thus extending their service life.

An anti-torsion guard on the outlet connector prevents the hose pinching when moved. This lightweight polyamide guard averts the risk of damage in the event of an impact.



HOSE REELS with STEEL STRUCTURE

These hose reels for professional use are suitable for all industrial, automotive and agricultural applications, for supplying pneumatic tools, cleaning and blown air (depending on model).

The structure is made of pressed steel and hot galvanised then varnished with a UV-resistant polyester powder coating.

The internal parts of the hose retriever and those in contact with the fluid are specially treated for enhanced corrosion resistance.

Depending on the type of hose fitted, the range of steel-casing hose reels can be used for:

- compressed air
- water, hot water, high and low pressure,
- grease and oil
- oxygen and acetylene



HOSE REELS with STAINLESS STEEL STRUCTURE

Hose reels with AISI 304 stainless steel structure can be used in all environments, and in particular locations where enhanced corrosion resistance is required: food processing industry, slaughterhouses, institutional kitchens, swimming pools.

Depending on the type of hose fitted, the range of stainless steel-casing hose reels can be used for:

- compressed air
- water, hot water, high and low pressure



CLOSED REEL HOSE REELS



COMPRESSED AIR							ELECTRICITY
	DSF	DMF	DRF	DPF	DGF	DLS	DEL
Casing type	Steel	Steel	Steel	Steel	Steel	Polyamide	ABS
Hose type	PU	PU	PU/PVC	PU	Rubber	PVC	PVC cable Rubber cable
Bracket	Pivoting						
Air inlet	1 m supply hose						Electrical junction box
Stainless Version	DSF IN		DRF IN				
Hose dia. (mm)	8 x 11 10 x 14	8 x 12 10 x 14	8 x 12 10 x 14	8 x 12 10 x 14	8 x 14 10 x 17 13 x 20	13 x 20	3 x 1.5 mm ² 3 x 2.5 mm ² 2 x 1 mm ²
Hose length (m)	3 m 5 m	10 m	10 m 12 m 15 m	10 m 12 m	10 m 15 m 20 m	20 m	14 m 17 m

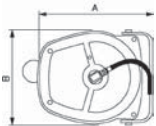
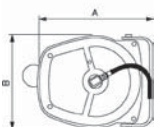
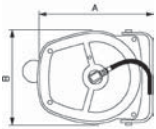
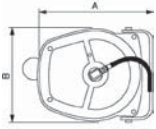


OPEN REEL HOSE REELS

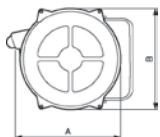
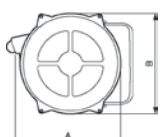
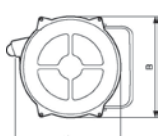
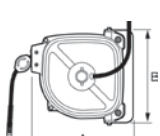
COMPRESSED AIR/WATER/GREASE/OIL/OXYGEN/ACETYLENE					
	DMO	DVO	DGO	DLO	DMP
Hose type	Rubber	PU	Rubber	Rubber	PU
Bracket	Fixed <i>Optional swivel bracket available</i>				Mobile
Air inlet	1 m supply hose				IRP 06 fitting
Low pressure water version Steel Stainless	DMO LS DMOI LS		DGO LS DGOI LS	DLO LS DLOI LS	
High pressure water version Steel Stainless	DMO HP DMO HPI		DGO HP DGO HPI		
Oil version	DMO OIL		DGO OIL		
Grease version	DMO GR		DGO GR		
Oxygen/Acetylene version	DGO OA				
Hose dia. (mm)	8 x 14 10 x 17 13 x 20	10 x 14	10 x 17 13 x 20 16 x 23	13 x 20 16 x 23 19 x 27	8 x 12 10 x 14
Hose length (m)	10 m 15 m 20 m	25 m	10 m 20 m 25 m	20 m 25 m 30 m	25 m 30 m

ENCLOSED HOSE REELS FOR COMPRESSED AIR

Pressure PN. 12 bar	Temperature 70°C	Construction Epoxy-coated steel and stainless steel	Shockproof	Ergonomic Easy operation	Safety in use	Locking
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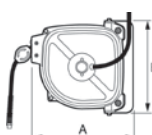
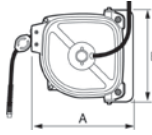
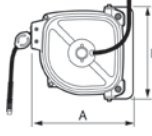
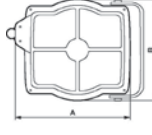
		A	B	Flow rate Without coupler l/min	Diameter ID/OD in mm	With coupling	Length m	Weight kg	Mounting bracket included	Swivel inlet	Outlet	REFERENCE
DSF series - small - Polyurethane hose												
		180° swivelling bracket										
		260	218	650	8 x 11	ISI 06	5	3	Swivel	8 x 11		DSF 0805IS
		260	218	1100	10 x 14	ISI 06	3	3	Swivel	10x14		DSF 1003IS
DSF series - small - Polyurethane hose												
		180° swivelling bracket										
		260	218	650	8 x 11	ESI 07	5	3	Swivel	8 x 11		DSF 0805ES
		260	218	1100	10 x 14	ESI 07	3	3	Swivel	10 x 14		DSF 1003ES
DSF series - small - Polyurethane hose												
		180° swivelling bracket										
		260	218	650	8 x 11		5	3	Swivel	8 x 11	G 1/4 M	DSF 0805N
		260	218	1100	10 x 14		3	3	Swivel	Ø 10 mm	G 3/8 M	DSF 1003N
DSFI/ serie - 304 stainless steel - Polyurethane braided hose												
		180° swivelling bracket										
		260	218	650	8 x 12	ESI 07HE	5	3	Swivel	8 x 12		DSFI 0805ESHE

ENCLOSED HOSE REELS FOR COMPRESSED AIR

Pressure PN. 12 bar		Temperature 70°C		Construction Epoxy-coated steel and stainless steel		Shockproof		Ergonomic Easy operation		Safety in use		Locking		
				A	B	Flow rate Without coupler l/min	Diameter ID/OD in mm	With coupling	Length m	Weight kg	Mounting bracket included	Swivel inlet	Outlet	REFERENCE
DMF Series - Industrial type - Polyurethane hose														
		180° swivelling bracket												
		360	275	500	8 x 12	ISI 06	10	8	Swivel	8 x 12			DMF 0810IS	
DMF Series - Medium - Polyurethane hose														
		180° swivelling bracket												
		360	275	500	8 x 12	ESI 07	10 m	8	Swivel	8 x 12			DMF 0810ES	
DMF Series - Medium - Polyurethane hose														
		180° swivelling bracket												
		360	275	500	8 x 12		10	8	Swivel	8 x 12	G 1/4 M		DMF 0810N	
DRF Series - Medium - Economy type - PU/PVC hose														
		180° swiveling bracket												
		340	302	500	8 x 12	ISI 06	12	5,8	Swivel	Fixed 8 x 12			DRF 0812IS	
		370	337	350	8 x 12	ISI 06	15	7,1	Swivel	Fixed 8 x 12			DRF 0815IS	
		340	302	900	10 x 14	ISI 06	10	5,7	Swivel	Fixed 10x14			DRF 1010IS	
		370	337	800	10 x 14	ISI 06	12	7	Swivel	Fixed 10x14			DRF 1012IS	

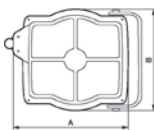
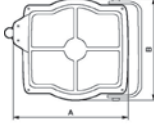
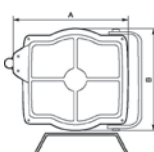
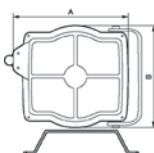
ENCLOSED HOSE REELS FOR COMPRESSED AIR

Pressure PN. 12 bar	Temperature 70°C	Construction Epoxy-coated steel and stainless steel	Shockproof	Ergonomic Easy operation	Safety in use	Locking
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		A	B	Flow rate Without coupler l/min	Diameter ID/OD in mm	With coupling	Length m	Weight kg	Mounting bracket included	Swivel inlet	Outlet	REFERENCE
DRF series - Medium - PU/PVC hose												
		180° swiveling bracket										
		340	302	500	8 x 12	ESI 07	12	5,8	Swivel	Fixed 8 x 12		DRF 0812ES
		370	337	350	8 x 12	ESI 07	15	7,1	Swivel	Fixed 8 x 12		DRF 0815ES
		340	302	900	10 x 14	ESI 07	10	5,7	Swivel	Fixed 10 x 14		DRF 1010ES
		370	337	800	10 x 14	ESI 07	12	7	Swivel	Fixed 10 x 14		DRF 1012ES
DRF Series - Medium - PU/PVC hose												
		180° swivelling bracket										
		340	302	500	8 x 12		12	6,8	Swivel	Fixed 8 x 12	G 1/4 M	DRF 0812N
		370	337	350	8 x 12		15	6,8	Swivel	Fixed 8 x 12	G 1/4 M	DRF 0815N
		340	302	900	10 x 14		10	6,8	Swivel	Fixed 10 x 14	G 1/4 M	DRF 1010N
		370	337	800	10 x 14		12	6,8	Swivel	Fixed 10 x 14	G 1/4 M	DRF 1012N
DRF/I serie - 304 stainless steel - Polyurethane hose												
		180° swivelling bracket										
		370	337	800	10 x 14	ESI 07HE	12	6,3	Swivel	Fixed 10x14	ESI 07HE	DRFI 1012ESHE
DPF series - Industrial type - Polyurethane hose												
		180° swivelling bracket										
		317	312	500	8 x 12	ISI 06	12	9	Swivel	8 x 12		DPF 0812IS
		377	312	900	10 x 14	ISI 06	10	9	Swivel	10 x 14		DPF 1010IS
		377	312	500	8 x 12	IRM 06	12	9	Swivel	8 x 12		DPF 0812
		377	312	900	10 x 14	IRM 06	10	9	Swivel	10 x 14		DPF 1010

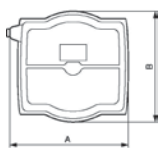
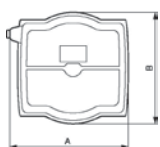
ENCLOSED HOSE REELS FOR COMPRESSED AIR

Pressure PN. 12 bar	Temperature 70°C	Construction Epoxy-coated steel and stainless steel	Shockproof	Ergonomic Easy operation	Safety in use	Locking
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		A	B	Flow rate Without coupler l/min	Diameter ID/OD in mm	With coupling	Length m	Weight kg	Mounting bracket included	Swivel inlet	Outlet	REFERENCE
DPF series - medium - Polyurethane hose												
				180° swivelling bracket								
		377	312	500	8 x 12	ESI 07	12	8	Swivel	8 x 12		DPF 0812ES
		377	312	900	10 x 14	ESI 07	10	8	Swivel	10 x 14		DPF 1010ES
DPF series - medium - Polyurethane hose												
				180° swivelling bracket								
		377	312	500	8 x 12		12	8	Swivel	Ø 8 mm	G 1/4 M	DPF 0812N
		377	312	900	10 x 14		10	8	Swivel	Ø 10 mm	G 3/8 M	DPF 1010N
DPF SMO series - Portable stand - Polyurethane hose												
		377	372	500	8 x 12		12	8.5		8 x 12	G 1/4 M	DPF SMOSR
DPF SMO series - Portable stand - Polyurethane hose												
		377	312	500	8 x 12	IRM 06	12	8,5	Swivel	8 x 12		DPF SMO
		345	65						Only portable stand			DPF SMON

ENCLOSED HOSE REELS FOR COMPRESSED AIR

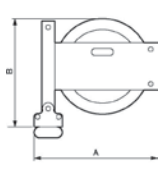
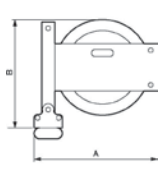
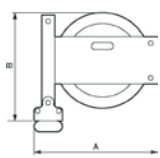
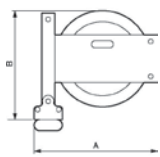
Pressure PN. 12 bar	Temperature 70°C	Construction Epoxy-coated steel and stainless steel	Shockproof	Ergonomic Easy operation	Safety in use	Locking
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		A	B	Flow rate Without coupler l/min	Diameter ID/OD in mm	With coupling	Length m	Weight kg	Mounting bracket included	Swivel inlet	Outlet	REFERENCE
DGF series - Large industrial type - Polyurethane hose												
		520	462	500	8 x 14	IRM 06	10	17	Rigid	G 3/8 Female		DGF 0810
		520	462	350	8 x 14	IRM 06	15	18,5	Rigid	G 3/8 Female		DGF 0815
		520	462	260	8 x 14	IRM 06	20	20	Rigid	G 3/8 Female		DGF 0820
		520	462	900	10x17	IRM 06	10	18	Rigid	G 3/8 Female		DGF 1010
		520	462	700	10x17	IRM 06	15	19	Rigid	G 3/8 Female		DGF 1015
		520	462	1800	13x20	ISI 08	10	19	Rigid	G 1/2 M.		DGF 1310IS
DGF series - large - Polyurethane hose												
				Fixed bracket								
		520	462	520	8 x 14		10	17	Rigid	G 3/8 Female		DGF 0810N
		520	462	350	8 x 14		15	18.5	Rigid	G 3/8 Female		DGF 0815N
		520	462	260	8 x 14		20	20	Rigid	G 3/8 Female		DGF 0820N
		520	462	900	10x17		10	18	Rigid	G 3/8 Female		DGF 1010N
		520	462	700	13x20		10	19	Rigid	G 1/2 Male		DGF 1310N
		520	462	700	10x17		15	19	Rigid	G 3/8 Female		DGF 1015N
Swivel bracket for DGF hose reels												
				For DGF								DGF PIV

HOSE REEL FOR COMPRESSED AIR

OPEN MEDIUM

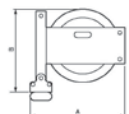
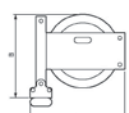
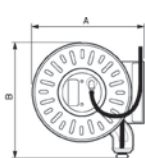
Hose locking	Pressure P.N. 12 bar	Temperature 70°C	Construction Epoxy-coated steel	Built to last	Shockproof	Ergonomic Easy operation
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		A	B	Flow rate l/min	Diameter int./ext	With coupling	Swivel inlet	Length m	Weight kg	Mounting bracket included	Outlet	REFERENCE
DMO series - medium - Rubber hose												
		478	465	500	8 x 14	IRM 06	G 3/8 Female	10	16	Rigid		DMO 0810
		478	465	1400	13 x 20	ISI 08	G 1/2 Male	15	22	Rigid		DMO 1315IS
		478	465	350	8 x 14	IRM 06	G 3/8 Female	15	17,5	Rigid		DMO 0815
		478	465	260	8 x 14	IRM 06	G 3/8 Female	20	19	Rigid		DMO 0820
		478	465	900	10 x 17	IRM 06	G 3/8 Female	10	17	Rigid		DMO 1010
		478	465	700	10 x 17	IRM 06	G 3/8 Female	15	19	Rigid		DMO 1015
		478	465	660	10 x 17	IRM 06	G 3/8 female	20	22	Rigid		DMO 1020
DMO series - medium - Rubber hose												
		478	465	500	8 x 14		G 3/8 female	10	16	Rigid	G 3/8 male	DMO 0810N
		478	465	350	8 x 14		G 3/8 female	15	17.5	Rigid	G 3/8 male	DMO 0815N
		478	465	260	8 x 14		G 3/8 female	20	19	Rigid	G 3/8 male	DMO 0820N
		478	465	900	10 x 17		G 3/8 female	10	17	Rigid	G 3/8 male	DMO 1010N
		478	465	700	10 x 17		G 3/8 female	15	19	Rigid	G 3/8 male	DMO 1015N
		478	465	660	10 x 17		G 3/8 female	20	22	Rigid	G 3/8 male	DMO 1020N
		478	465	1400	13 x 20		G 1/2 male	15	22	Rigid	G 1/2 male	DMO 1315N
DVO series - medium - Polyurethane braided hose												
		460	447	500	10 x 14	IRM 06	G 3/8 male	25	23	Rigid		DVO 1025
DVO series - medium - Polyurethane hose												
		460	447	500	10 x 15		G 3/8 female	25	23	Rigid	G 3/8 male	DVO 1025N

HOSE REEL FOR COMPRESSED AIR

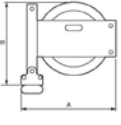
OPEN MEDIUM

Hose locking	Pressure P.N. 12 bar	Temperature 70°C	Construction Epoxy-coated steel	Built to last	Shockproof	Ergonomic Easy operation
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		A	B	Flow rate l/min	Diameter int./ext	With coupling	Swivel inlet	Length m	Weight kg	Mounting bracket included	Outlet	REFERENCE
DGO series - large - rubber hose												
		485	480	500	10 x 17	IRM 06	3/8" Female	25	26	Rigid		DGO 1025
		485	480	1000	13 x 20	ISI 08	G 1/2 Mâle	20	27	Rigid		DGO 1320IS
		485	480	3000	16 x 23	ISG 11	G 1/2 Male	10	25	Rigid		DGO 1610
DGO series - large - rubber hose												
		485	480	500	10 x 17		G 3/8 female	25	26	Rigid	G 3/8 male	DGO 1025N
		485	480	1000	13 x 20		G 1/2 male	20	27	Rigid	G 1/2 male	DGO 1320N
		485	480	3000	16 x 27		G 1/2 male	10	25	Rigid	G 1/2 male	DGO 1610N
DLO series - extra large - rubber hose												
		615	610	850	13 x 20		G 1/2 male	30	39	Rigid	G 1/2 male	DLO 1330N
		615	610	1700	16 x 23		G 1/2 male	25	41	Rigid	G 1/2 male	DLO 1625N
		615	610	2400	19 x 29		G 1 male	20	42	Rigid	G 3/4 male	DLO 1920N

HOSE REELS FOR COMPRESSED AIR WITH NO HOSE

Hose locking	Pressure P.N. 12 bar	Temperature 70°C	Safety	Construction Epoxy-coated steel	Shockproof	Ergonomic Easy operation
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		A	B	Swivel inlet	Weight kg	Capacity m	Outlet	Mounting bracket included	REFERENCE
DMO series - Empty (no hose) - Steel									
		478	465	G 3/8 female	15	15	G 3/8 female	Rigid	DMO N

SWIVEL BRACKET FOR HOSE REELS

Construction Steel	Efficient	Built to last	Safety for use
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		Model of hose reel	REFERENCE
Swivel bracket for hose reels			
		For DMO	DMO PIV
		For DGO	DGO PIV
		For DLO	DLO PIV

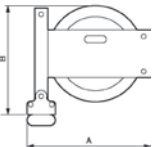
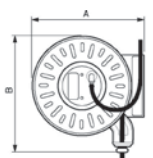
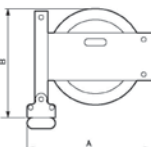
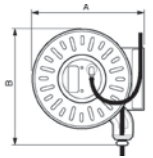
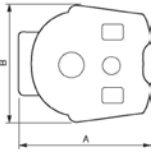
HOSE REEL OPEN MEDIUM

Easy to handle	Easy to reel and unreel	Pressure P.N. 12 bar	Temperature -4°C +70°C	Construction Epoxy-coated steel
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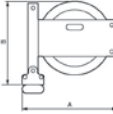
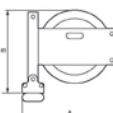
		Flow rate l/min	Diameter int.ext mm	With coupling	Length m	Weight kg	With adaptor	REFERENCE
	Rigid wall bracket or swivelling and handing							
		400	8 x 12	ISI 06	30	8,4	IRP 06	DMP 0830IS
		600	10 x 14	ISI 06	25	8,4	IRP 06	DMP 1025IS
			8 x 12	ESI 07	30	8,4	ERP 07	DMP 0830ES
			10 x 14	ESI 07	25	8,4	ERP 07	DMP 1025ES
			8 x 12		30	8,4		DMP 0830N
			10 x 14		25	8,4		DMP 1025N

HOSE REELS FOR WATER - LOW PRESSURE

Built to last	Cost-effective Kink-free hoses	Hose locking	Pressure 10 bar	Temperature 60°C	Construction Steel	Shockproof	Safety Easy operation
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		A	B	Diameter ID/OD in mm	Swivel inlet	Length m	Weight kg	Outlet Water coupling	Mounting bracket included	REFERENCE
DMO - DGO series - Steel with rubber hose - Food grade										
		478	465	16 x 24	G 1/2 male	10	20	ELS 091103	Rigid	DMO 1610LS
		485	480	16 x 24	G 1/2 male	15	25	ELS 091103	Rigid	DGO 1615LS
DLO series - Steel with rubber hose - Food grade										
		615	610	16 x 24	G 1/2 female	25	44	ELS 091103	Rigid	DLO 1625LS
		615	610	19 x 28	G 3/4 female	20	42	ELS 091104	Rigid	DLO 1920LS
DMOI - DGOI series - 304 Stainless steel with rubber hose - Food grade										
		478	465	16 x 24	G 1/2 male	10	20	ELS 091103	Rigid	DMOI 1610LS
		485	480	16 x 24	G 1/2 male	15	25	ELS 091103	Rigid	DGOI 1615LS
DLOI series - 304 Stainless steel with rubber hose - Food grade										
		615	610	16 x 24	G 1/2 female	25	44	ELS 091103	Rigid	DLOI 1625LS
		615	610	19 x 28	G 3/4 female	20	42	ELS 091104	Rigid	DLOI 1920LS
Hose reel with polyamid guard and PVC hose										
		620	470	13 x 20	13 x 20	20	10	without coupling	Swivel bracket	DLS 1320N

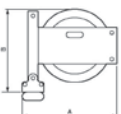
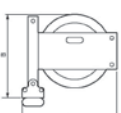
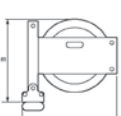
HOSE REELS FOR HOT WATER - HIGH PRESSURE

Built to last	Cost-effective Kink-free hoses	Hose locking	Pressure 400 bar	Temperature 150°C	Construction Steel	Shockproof	Safety			
		A	B	Diameter ID/OD in mm	Swivel inlet	Length m	Weight kg	Mounting bracket included	Female thread outlet + adaptor	REFERENCE
DMO - DGO series - High pressure steel - HP reinforced hose										
		478	465	8 x 17	G 3/8 female	15	16	Rigid	G 3/8 + 22 x 150	DMO 0815HP
		485	480	8 x 17	G 3/8 female	20	21	Rigid	G 3/8 + 22 x 150	DGO 0820HP
DMO - DGO series - High pressure stainless steel - HP reinforced hose										
		478	465	8 x 17	G 3/8 female	15	16	Rigid	G 3/8 + 22 x 150	DMO 0815HPI
		485	480	8 x 17	G 3/8 female	20	21	Rigid	G 3/8 + 22 x 150	DGO 0820HPI
DMO - DGO series - High pressure stainless steel - HP reinforced hose										
				8 x 17	G 3/8 + 22 x 150 on hot water machine	3	1,3	-	G 3/8 + 22 x 150 on high pressure hose reel	DMG KITHP3
				8 x 17	G 3/8 + 22 x 150 on hot water machine	6	2,7	-	G 3/8 + 22 x 150 on high pressure hose reel	DMG KITHP6

HOSE REELS FOR HOT WATER - EMPTY (NO HOSE)

HIGH PRESSURE - LOW PRESSURE

Hose locking	Cost-effective Kink-free hoses	Built to last	Pressure 400 bar	Temperature 150°C	Construction Epoxy-coated steel	Shockproof	Safety
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		A	B	Capacity m	Swivel inlet	Weight kg	Outlet	Mounting bracket included	REFERENCE
DMO - DGO series - Empty (no hose) - High pressure steel									
		478	465	15	G 3/8 female	15	G 3/8 male	Rigid	DMO NHP
		485	480	20	G 3/8 female	20	G 3/8 male	Rigid	DGO NHP
DMO - DGO series - Empty (no hose) - High pressure 304 stainless steel									
		478	465	15	G 3/8 Female	15	G 3/8	Rigid	DMO NHPI
		485	480	20	G 3/8 female	20	G 3/8	Rigid	DGO NHPI
DMO - DGO series - Empty (no hose) - Low pressure 304 stainless steel									
		478	465	15	G 1/2 male	15	G 1/2	Rigid	DMO NI
		485	480	20	G 1/2 male	20	G 1/2 male	Rigid	DGO NI

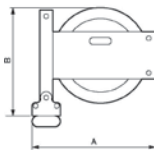
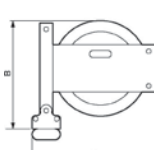
SWIVEL BRACKET FOR HOSE REELS

STAINLESS STEEL

Efficient	Built to last	Construction Stainless steel	Safety
		Model of hose reel	REFERENCE
Stainless steel swivel bracket for hose reels			
		For DMOI	DMOI PIV
		For DGOI	DGOI PIV
		For DLOI	DLOI PIV

HOSE REELS

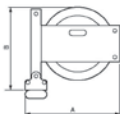
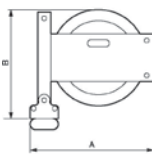
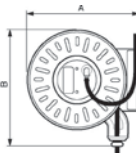
FOR GREASE AND OIL

Safety	Ergonomic Easy operation	Mounting bracket included		Fluid grease and oil		Construction Epoxy-coated steel		Hose locking			
		A	B	Diameter int./ ext mm	Swivel inlet	Length m	Weight kg	Outlet BSP Gas	Pressure bar	Temperature °C	REFERENCE
DMO-DGO OIL series - Medium pressure - Oil											
		478	465	12.7 X 19	G 1/2 male	10	18	G 1/2 male	60	40	DMO 1310OIL
		485	480	12.7 x 19	G 1/2 male	15	23	G 1/2 male	60	40	DGO 1315OIL
		485	480	12.7 x 19	G 1/2 male	20	26.5	G 1/2 male	60	40	DGO 1320OIL
DMO-DGO GR series (Lubricants) - High pressure - Grease											
		478	465	6.3 x 15.5	G 1/4 female	10	18,5	G 1/4 male	400	100	DMO 0610GR
		478	465	6.3 x 15.5	G 1/4 female	15	20,5	G 1/4 male	400	100	DMO 0615GR
		485	480	6.3 x 15.5	G 1/4 female	20	27	G 1/4 male	400	100	DGO 0620GR

STAINLESS STEEL HOSE REELS - AIR - WATER

LOW PRESSURE - HIGH PRESSURE

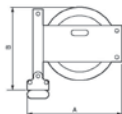
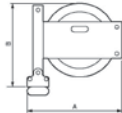
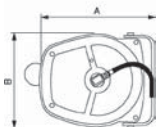
Built to last	Cost-effective Kink-free hoses	Hose locking	Temperature 60°C	Construction Steel	Shockproof	Safety
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		A	B	Diameter ID/ OD in mm	Swivel inlet	Length m	Weight kg	Mounting bracket included	Female thread	Outlet Water coupling	Capacity m	With coupling	Flow rate without coupler l/min	REFERENCE
DMO - DGO series - High pressure stainless steel - HP reinforced hose														
		478	465	8 x 17	G 3/8 female	15	16	Rigid	G 3/8 + 22 x 150					DMO 0815HPI
		485	480	8 x 17	G 3/8 female	20	21	Rigid	G 3/8 + 22 x 150					DGO 0820HPI
DMOI - DGOI series - 304 Stainless steel with rubber hose - Food grade														
		478	465	16 x 24	G 1/2 male	10	20	Rigid		ELS 091103				DMOI 1610LS
		485	480	16 x 24	G 1/2 male	15	25	Rigid		ELS 091103				DGOI 1615LS
DLOI series - 304 Stainless steel with rubber hose - Food grade														
		615	610	16 x 24	G 1/2 female	25	44	Rigid		ELS 091103				DLOI 1625LS
		615	610	19 x 28	G 3/4 female	20	42	Rigid		ELS 091104				DLOI 1920LS

STAINLESS STEEL HOSE REELS - AIR - WATER

LOW PRESSURE - HIGH PRESSURE

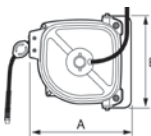
Built to last	Cost-effective Kink-free hoses	Hose locking	Temperature 60°C	Construction Steel	Shockproof	Safety
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		A	B	Diameter ID/ OD in mm	Swivel inlet	Length m	Weight kg	Mounting bracket included	Female thread	Outlet Water coupling	Capacity m	With coupling	Flow rate without coupler l/min	REFERENCE
DMO - DGO series - Empty (no hose) - High pressure 304 stainless steel														
		478	465		G 3/8 Female		15	Rigid		G 3/8	15			DMO NHPI
		485	480		G 3/8 female		20	Rigid		G 3/8	20			DGO NHPI
DMO - DGO series - Empty (no hose) - Low pressure 304 stainless steel														
		478	465		G 1/2 male		15	Rigid		G 1/2	15			DMO NI
		485	480		G 1/2 male		20	Rigid		G 1/2 male	20			DGO NI
DSFI/ serie - 304 stainless steel - Polyurethane braided hose														
		180° swivelling bracket												
		260	218	8 x 12	8 x 12	5	3	Swivel				ESI 07HE	650	DSFI 0805ESHE

STAINLESS STEEL HOSE REELS - AIR - WATER

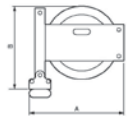
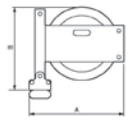
LOW PRESSURE - HIGH PRESSURE

Built to last	Cost-effective Kink-free hoses	Hose locking	Temperature 60°C	Construction Steel	Shockproof	Safety
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		A	B	Diameter ID/ OD in mm	Swivel inlet	Length m	Weight kg	Mounting bracket included	Female thread	Outlet Water coupling	Capacity m	With coupling	Flow rate without coupler l/min	REFERENCE
DRFI serie - 304 stainless steel - Polyurethane hose														
														
		370	337	10 x 14	Fixed 10x14	12	6,3	Swivel		ESI 07HE		ESI 07HE	800	DRFI 1012ESHE

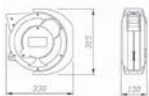
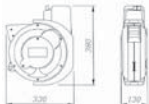
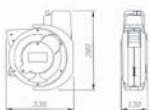
WELDING HOSE REELS

Temperature 60 °C	Construction Epoxy-coated steel	Pressure of hose reel 20 bar	Safety	Use Welding, cutting out	Fluid Oxygen, Acetylene	Hose locking	Easy to reel and unreel
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		A	B	Diameter ID/OD in mm	Swivel inlet BSP Gas	Length m	Outlet	Mounting bracket included	REFERENCE
DGO series - Twin-line welding hoses without safety coupling ISOFLAM									
		485	480	10 x 17	Oxygen: G 3/8 female right Acetylene: G 3/8 female left	15	10 x 17	Rigid	DGO 1015OA
DGO series - Twin-line welding hoses with safety coupling ISOFLAM									
		485	480	10 x 17	Oxygen: G 3/8 female right Acetylene: G 3/8 female left	15	Oxygen : Isoflam safety coupling welder protection SIO 061810S2 Acetylene : Isoflam safety coupling welder protection SIA 061810S2	Rigid	DGO 1015SIC

CABLE REELS

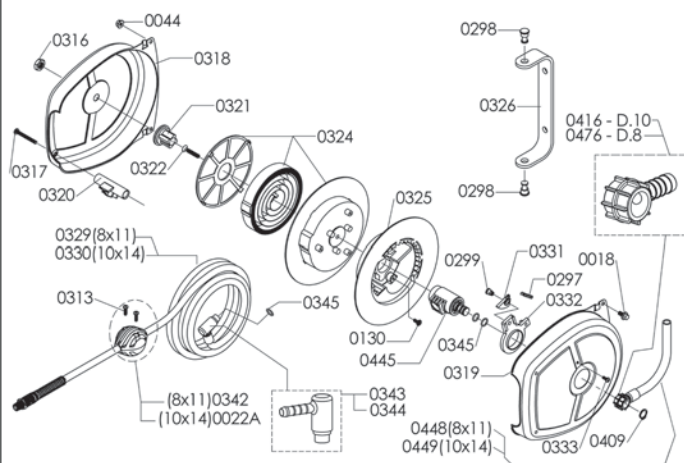
Mounting bracket included Swivel	Temperature -5° to + 40°C	Construction Shockproof and insulated polypropylene	Safety in use	Protection Cable reel : IP42 Portable lamp : IP55	Easy to reel and unreel	Power Portable lamp 11 W
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		A	B	Length m	Weight kg	Section cable	Construction cable	Power KW	For use with	REFERENCE
Cable reel										
		375	175	14 m (+ 1 m outside)	5	3 G x 1,5 mm2	PVC H05V V-F	1,2/1,8	230 V	DEL 31514
		490	215	17 m (+ 2 m outside)	8,8	3 G x 2,5 mm2	H07 RN-F	2 KW coiled 3 KW uncoiled	230 V	DEL 32520
Cable reel with 230 V portable lamp										
		375	175	14 m (+ 1,5 m outside)	5	2 x 1 mm2	Rubber H05 RN-F		230 V	DEL BA230
Cable reel with 24 V portable lamp										
				Cable reel with 24 V power supply - In case of 220/230V supply, to use with a transformer.						
		375	175	14 m (+ 1,5 m outside)	5	2 x 1 mm2	Rubber H05 RN-F		24 V	DEL BA24

SPARE PARTS FOR DSF HOSE REELS

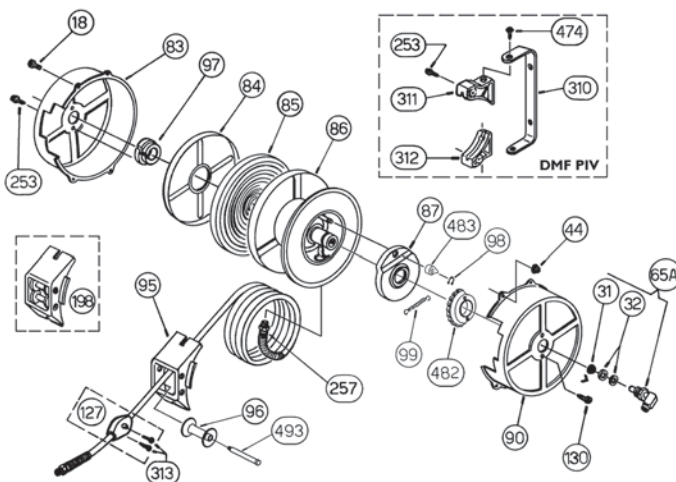
SPARE PARTS FOR DMF HOSE REELS

DSF



Ref.	Part number	Designation
18	DMG 0018	te M6 X 10 screw
22A	DMO BC14	Travel limit stop block dia. 10 x 14
44	DMG 0044	M6 nut
130	DMG 0130	TC 5 x 12 screw
297	DMG 0297	Ratchet return spring
298	DMG 0298	Pivoting bracket shaft
299	DMG 0299	Ratchet pivot
313	DMG 0313	TC 5 x 16 screw
316	DMG 0316	M6 nut
317	DMG 0317	TC M5 x 67 screw
318	DMG 0318	Left half-casing
319	DMG 0319	Right half-casing
320	DMG 0320	Spacer L = 68
321	DMG 0321	Drive hub
322	DMG 0322	TC 6 x 20 screw
324	DMG 0324	Spring
325	DMG 0325	Half-drum
326	DMG 0326	Pivoting bracket
329	DMG 0329	PU hose dia. 8 x 11 L = 5 m
330	DMG 0330	PU hose dia. 10 x 14 L = 3 m
331	DMG 0331	Ratchet
332	DMG 0332	Ratchet bracket
333	DMG 0333	TC M4 x 10 screw
342	DMF BC12	Travel limit stop block dia. 8 x 11
343	DMG 0343	Union for 8 mm hose
344	DMG 0344	Union for 10 mm hose
345	DMG 0345	O-ring
409	DMG 0409	Circlips
416	DMG 0416	Plastic coupling D.10
445	DMG 0445	Rotating coupling hub
448	DMG 0448	Hose 8x11 L=1 m
449	DMG 0449	Hose 10x14 L=1 m
476	DMG 0476	Plastic coupling D.8

DMF

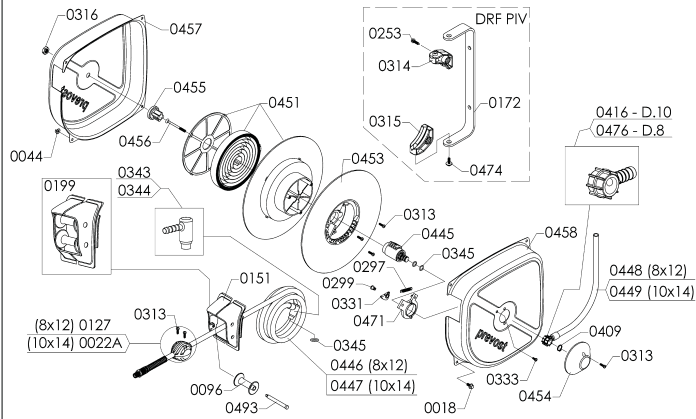


Ref.	Part number	Designation
18	DMG 0018	te M 6 x 10 screw
31	DMG 0031	Low pressure gasket
32	DMG 0032	Thrust washer, th. 4 mm
44	DMG 0044	M6 nut
65A	DMG 65A	Connection assembly
83	DMG 0083	Left half casing
84	DMG 0084	Spring casing
85	DMG 0085	Spring
86	DMG 0086	Drum
87	DMG 0087	Drum internal disk
90	DMG 0090	Right half-casing
95	DMG 0095	Roller bracket fitting
96	DMG 0096	Hose guide roller
97	DMG 0097	Drive hub
98	DMG 0098	Circlips 8E
99	DMG 0099	Ratchet spring
127	DMF BC12	Travel limit stop block
154	DMG 0154	M6 nut
130	DMG 0130	Self-tapping 5 x 12 screw
198	DMG 0198	Roller bracket assembly
253	DMG 0253	te 6 x 21 screw
257	DMG 0257	Union for 8 mm tube
310	DMG 0310	Stirrup
311	DMG 0311	Right half bracket
312	DMG 0312	Left half bracket
313	DMG 0313	TC 5 x 16 screw
474	DMG 0474	te FR 6 x 20 screw
482	DMG 0482	Toothed crown
483	DMG 0483	Ratchet
493	DMG 0793	Rod
	DMF TC0810	Hose 8 x 12 L = 10 m
	ENROULEX 8	8 x 12 flexible hose per metre
	DMF PIV	Pivoting bracket

SPARE PARTS FOR DRF HOSE REELS

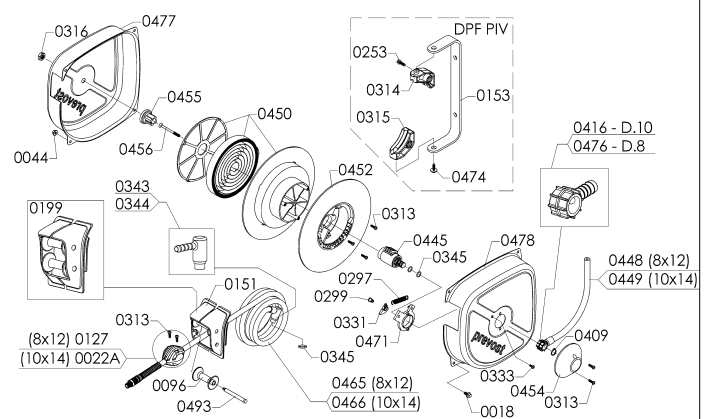
SPARE PARTS FOR DRF HOSE REELS

DRF 0815 and DRF 1012



Ref.	Part number	Designation
18	DMG 0018	te M6 x 10 screw
0022A	DMO BC14	Limit stop D.14 (1/4")
44	DMG 044	M 6 FR nut
96	DMG 0096	Hose guide roller
127	DMF BC12	Limit stop D.12
151	DMG 0151	Roller bracket
172	DMG 0172	Stirrup
199	DMG 0199	Hose guide assembly
253	DMG 0253	te 6x21 hilo screw
297	DMG 0297	Ratchet spring
299	DMG 0299	Ratchet pivot
313	DMG 0313	tc 5x16 hilo screw
314	DMG 0314	Right half bracket
315	DMG 0315	Left half bracket
316	DMG 0316	M 12 nut
331	DMG 0331	Ratchet
333	DMG 0333	tc M 4x10 screw
343	DMG 0343	Union for 8 mm hose
344	DMG 0344	Union for 10 mm hose
345	DMG 0345	O-ring
409	DMG 0409	Circlips A 14
416	DMG 0416	Plastic coupling D.10
445	DMG 0445	Rotating coupling hub
446	DMG 0446	Hose 8x12 L=15 m
447	DMG 0447	Hose 10x14 L=12 m
448	DMG 0448	Hose 8x12 L=1 m
449	DMG 0449	Hose 10x14 L=1 m
451	DMG 0451	Spring
453	DMG 0453	Half-drum
454	DMG 0454	Plastic cover
455	DMG 0455	Spring hub
456	DMG 0456	Tsp torx 6x66 screw
457	DMG 0457	Half-casing, spring side
458	DMG 0458	Half-casing, coupling side
471	DMG 0471	Ratchet bracket
474	DMG 0474	Te fr 6x20 hilo screw
476	DMG 0476	Plastic coupling D.8
477	DMG 0477	Half-casing, spring side
478	DMG 0478	Half-casing, coupling side
493	DMG 0493	Rod for roller
	DRFPV	Pivoting bracket

DRF 0812 and DRF 1010

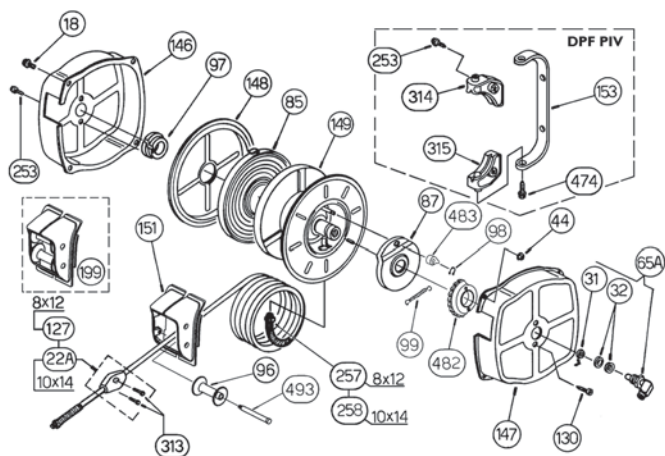


Ref.	Part number	Designation
18	DMG 0018	te M6 x 10 screw
0022A	DMO BC14	Limit stop D.14 (1/4")
44	DMG 044	M 6 FR nut
96	DMG 0096	Hose guide roller
127	DMF BC12	Limit stop D.12
151	DMG 0151	Roller bracket
153	DMG 0153	Stirrup
199	DMG 0199	Hose guide assembly
253	DMG 0253	te 6x21 hilo screw
297	DMG 0297	Ratchet spring
299	DMG 0299	Ratchet pivot
313	DMG 0313	tc 5x16 hilo screw
314	DMG 0314	Right half bracket
315	DMG 0315	Left half bracket
316	DMG 0316	M 12 nut
331	DMG 0331	Ratchet
333	DMG 0333	TC M 4x10 screw
343	DMG 0343	Union for 8 mm hose
344	DMG 0344	Union for 10 mm hose
345	DMG 0345	O-ring
409	DMG 0409	Circlips A 14
416	DMG 0416	Plastic coupling D.10
445	DMG 0445	Rotating coupling hub
448	DMG 0448	Hose 8x12 L=1 m
449	DMG 0449	Hose 10x14 L=1 m
450	DMG 0450	Spring
452	DMG 0451	Half-drum
454	DMG 0454	Plastic cover
455	DMG 0455	Spring hub
456	DMG 0456	tsp Torx 6x66 screw
465	DMG 0465	Hose 8x12 L=12 m
466	DMG 0466	Hose 10x14 L=10 m
471	DMG 0471	Ratchet bracket
474	DMG 0474	Te fr 6x20 hilo screw
476	DMG 0476	Plastic coupling D.8
477	DMG 0477	Half-casing, spring side
478	DMG 0478	Half-casing, coupling side
493	DMG 0493	Rod for roller
	DPF PIV	Pivoting bracket

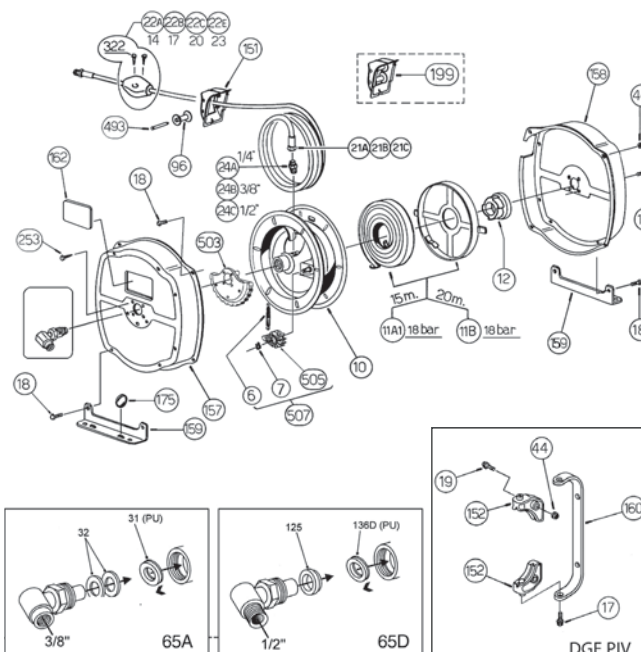
SPARE PARTS FOR DPF HOSE REELS

SPARE PARTS FOR DGF HOSE REELS

DPF



DGF

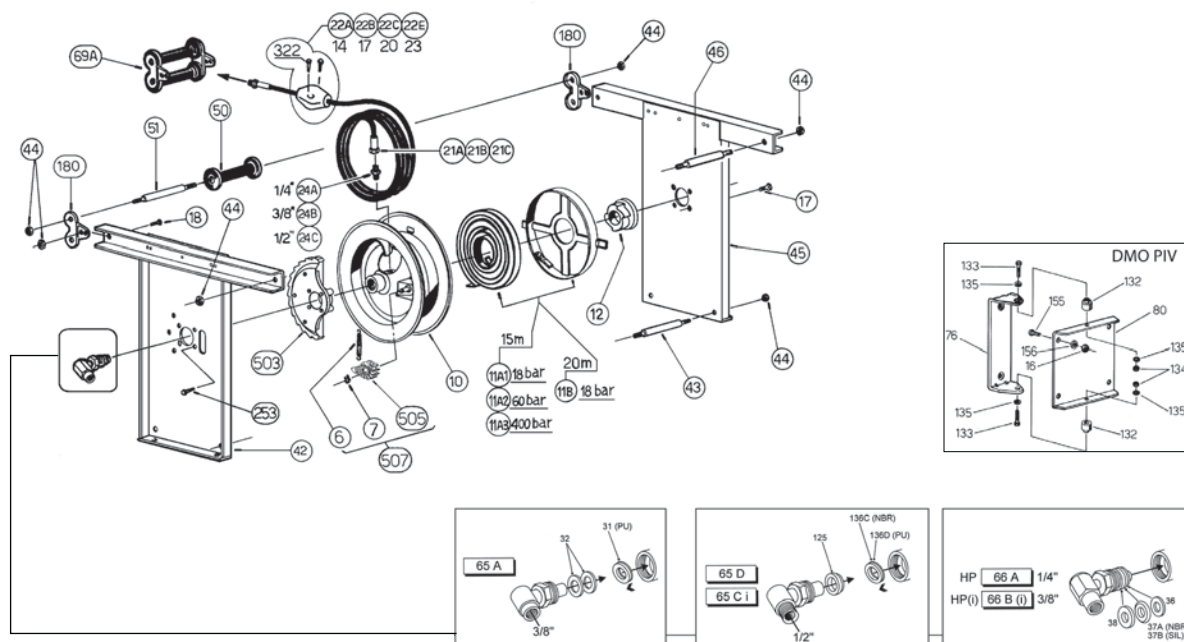


Ref.	Part number	Designation
18	DMG 0018	te M 6 x 10 screw
22A	DMO BC14	Limit stop D.14
31	DMG 0031	Low pressure gasket
32	DMG 0032	Thrust washer
44	DMG 0044	M6 nut
65A	DMG 65A	Complete 3/8" coupling
85	DMG 0085	Spring
87	DMG 0087	Drum internal disk
96	DMG 0096	Hose guide roller
97	DMG 0097	Drive hub
98	DMG 0098	Circlips 8E
99	DMG 0099	Ratchet spring
127	DMF BC12	Travel limit stop block
130	DMG 0130	Self-tapping 5 x 12 screw
146	DMG 0146	Left half casing
147	DMG 0147	Right half-casing
148	DMG 0148	Spring casing
149	DMG 0149	Drum
151	DMG 0151	Roller bracket fitting
153	DMG 0153	Pivoting bracket
199	DMG 0199	Roller bracket assembly
253	DMG 0253	te 6 x 21 screw
257	DMG 0257	Union for 8 mm tube
258	DMG 0258	Union for 10 mm tube
313	DMG 0313	TC 5 x 16 screw
314	DMG 0314	Right half bracket
315	DMG 0315	Left half bracket
474	DMG 0474	te FR 6 x 20 screw
482	DMG 0482	Toothed crown
483	DMG 0483	Ratchet
493	DMG 0793	Rod
	DPF TC0812	Hose 8 x 12 L = 12 m
	DPF TC1010	Hose 10 x 14 L = 10 m
	ENROULEX 8	8 x 12 flexible hose per metre
	ENROULEX 10	10 x 14 flexible hose per metre
	DPF PIV	Pivoting bracket

Ref.	Part number	Designation
6	DMG 0006	Ratchet return spring
7	DMG 0007	Circlips, dia. 10
10	DMG 0010	Drum
11A1	DMG 0011A1	Spring for 10 m and 15 m 18 bar hose
11B	DMG 0011B	Spring for 20 m hose
12	DMG 0012	Drive hub
17	DMG 0017	TE M6 X 16 screw
18	DMG 0018	te M6 X 10 screw
21A	DMG 0021A	Union for 8 mm tube
21B	DMG 0021B	Union for 10 mm tube
21C	DMG 0021C	Union for 13 mm tube
22A	DMO BC14	Travel limit stop block 8 x 14
22B	DMO BC17	Travel limit stop block 10 x 17
22C	DGO BC20	Travel limit stop block 13 x 20
22E	DGO BC23	Travel limit stop block 16 x 23
24A	DMG 0024A	1/4" nipple (8 x 14)
24B	DMG 0024B	3/8" nipple (10 x 17)
24C	DMG 0024C	1/2" nipple (13x20 - 16x27)
31	DMG 0031	Low pressure gasket dia. 12-22
32	DMG 0032	Thrust washer dia. 12-24
44	DMG 0044	M6 nut
65A	DMG 65A	3/8" female inlet
65D	DMG 0065D	1/2" male inlet
96	DMG 0096	Hose guide roller
125	DMG 0125	Thrust washer dia. 16-24
136D	DMG 0136D	Low pressure gasket dia. 16-22
151	DMG 0151	Roller bracket fitting
152	DMG 0152	Half bracket for stirrup
157	DMG 0157	Right half-casing
158	DMG 0158	Left half casing
159	DMG 0159	Mounting stirrup
160	DMG 0160	Stirrup for pivot
162	DMG 0162	Door
175	DMG 0175	Ring dia. 32
199	DMG 0199	Roller bracket assembly
253	DMG 0253	te M6 X 16 screw
322	DMG 0322	TC 6 x 20 screw
493	DMG 0793	Rod
503	DMG 0503	Toothed crown
505	DMG 0505	Ratchet
507	DMG 0507	Ratchet kit
	DMG TC 0810	Rubber hose 8 x 14 - 10 m
	DMG TC 0815	Rubber hose 8 x 14 - 15 m
	DMG TC 0820	Rubber hose 8 x 14 - 20 m
	DMG TC 1010	Rubber hose 10 x 17 - 10 m
	DMG TC 1015	Rubber hose 10 x 17 - 15 m
	DMG TC 1310	Rubber hose 13 x 20 - 10 m
	DGF PIV	Pivoting bracket

SPARE PARTS FOR DMO AND DMO STAINLESS HOSE REELS

DMO



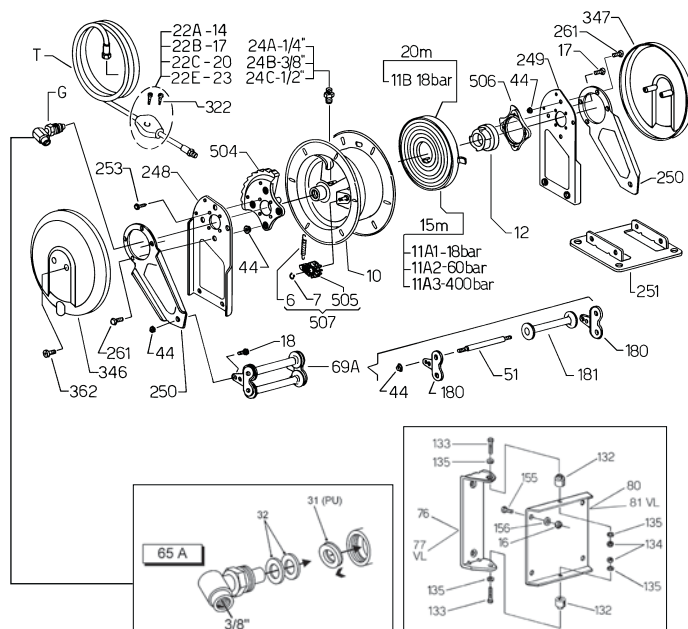
Ref.	Part number	Designation
6	DMG 0006	Return spring
7	DMG 0007	Circlips, dia. 10
10	DMG 0010	Drum
11A1	DMG 011A1	Spring for 10/15 m 18 bar tube
11A2	DMG 011A2	Spring for 10/15 m 60 bar tube
11A3	DMG 011A3	Spring for 10/15 m 400 bar tube
11B	DMG 011B	Spring for 20 m 18 bar tube
12	DMG0012	Drive hub
16	DMG 0016	M10 nut
17	DMG 0017	te M6 X 16 screw
18	DMG 0018	te M6 x 10 screw
21A	DMG 0021A	Union for 8 mm tube
21B	DMG 0021B	Union for 10 mm tube
21C	DMG 0021C	Union for 13 mm tube
22A	DMG BC14	Rubber stop 8 x 14
22B	DMO BC17	Rubber stop 10 x 17
22C	DGO BC20	Rubber stop 13 x 20
24A	DMG 0024A	Nipple for 8 x 14 tube
24B	DMG 0024B	Nipple for 10 x 17 tube
24C	DMG 0024C	Nipple for 13 x 20 tube
31	DMG 0031	Low pressure gasket dia. 12-24
32	DMG 0032	Thrust washer
36	DMG 0036	Brass washer
37A	DMG 0037A	HP 1/4" gasket
37B	DMG 0037B	HP 3/8" gasket
38	DMG 0038	HP thrust washer
42	DMG 0042	Left side panel
43	DMG 0043	Tie-rod L: 115 mm
44	DMG 0044	M6 nut
45	DMG 0045	Right side panel
46	DMG 0046	Tie-rod L: 119 mm
50	DMG 0050	Roller L=122 mm
51	DMG 0051	Tie-rod L: 69 mm
65A	DMG 0065A	Complete 3/8" coupling
65D	DMG 0065D	Complete 1/2" coupling
66A	DMG 0066A	HP 1/4" coupling
66B	DMG 0066B	HP 3/8" coupling
69A	DMG 0069A	Hose guide assembly
76	DMG 0076	Bracket
80	DMG 0080	Stirrup
125	DMG 0125	Thrust washer dia. 16-24
132	DMG 0132	Ring
133	DMG 0133	M8 x 45 screw
134	DMG 0134	M8 nut
135	DMG 0135	Washer dia. 8
136D	DMG 0136D	Low pressure gasket dia. 16-22
155	DMG 0155	M10 x 20 screw
156	DMG 0156	Washer dia. 10
180	DMG 0180	Hose bracket
253	DMG 0253	te 6 x 21 screw
322	DMG 0322	TC 6 x 20 screw
503	DMG 0503	Toothed crown
505	DMG 0505	Ratchet
507	DMG 0507	Ratchet kit

Ref.	Part number	Designation
	DMG TC 0810	Rubber hose 8x14-10m
	DMG TC 0815	Rubber hose 8x14-15m
	DMG TC 0820	Rubber hose 8x14-20m
	DMG TC 1010	Rubber hose 10x17-10m
	DMG TC 1015	Rubber hose 10x17-15m
	DMG TC 1020	Rubber hose 10 x 17-20m
	DMG TC 1315	Rubber hose 13 x 20-15m
	DMG TC 1310OIL	Rubber hose 13 x 20-20m
	DMG TC 1615LS	Rubber hose 16 x 24-15m
	DMG TC 0610GR	Rubber hose 6x16-10m
	DMG TC 0615GR	Rubber hose 6x16-15m
	DMG HP 0815	HP hose 8x17-15m
	DMO PIV	Pivoting bracket

Special parts for DMO STAINLESS		
Ref.	Part number	Designation
6	DMG 0006i	Ratchet return spring
7	DMG 0007i	Circlips, dia. 10
10	DMG 0010i	Drum
11A	DMG 0011Ai	Spring for 10 and 15 m tube
16	DMG 0016i	M 10 nut
17	DMG 0017i	te M6 X 16 screw
18	DMG 0018i	te M6 x 10 screw
24B	DMG 0024Bi	Nipple for 8x17 tube
24C	DMG 0024Ci	Nipple for 13x20 & 16x23 tube
42	DMG 0042i	Left side panel
43	DMG 0043i	Tie-rod L: 115 mm
44	DMG 0044i	M6 nut
45	DMG 0045i	Right side panel
46	DMG 0046i	Tie-rod L: 119 mm
51	DMG 0051i	Tie-rod L: 123 mm
65Ci	DMG 0065Ci	Complete 1/2" coupling
66Bi	DMG 0066Bi	Complete 3/8" HP coupling
69A	DMG 0069Ai	Hose guide assembly
76	DMG 0076i	Bracket
80	DMG 0080i	Stirrup
132	DMG 0132i	Ring
133	DMG 0133i	M8 x 45 screw
134	DMG 0134i	M8 nut
135	DMG 0135i	Washer dia. 8
136C	DMG 0136C	Low pressure gasket dia. 16-22
155	DMG 0155i	M 10x20 screw
156	DMG 0156i	Washer dia. 10
180	DMG 0180i	Roller bracket
253i	DMG 0253i	te 6 x 21 screw
507	DMG 0507i	Ratchet kit

SPARE PARTS FOR DVO HOSE REELS

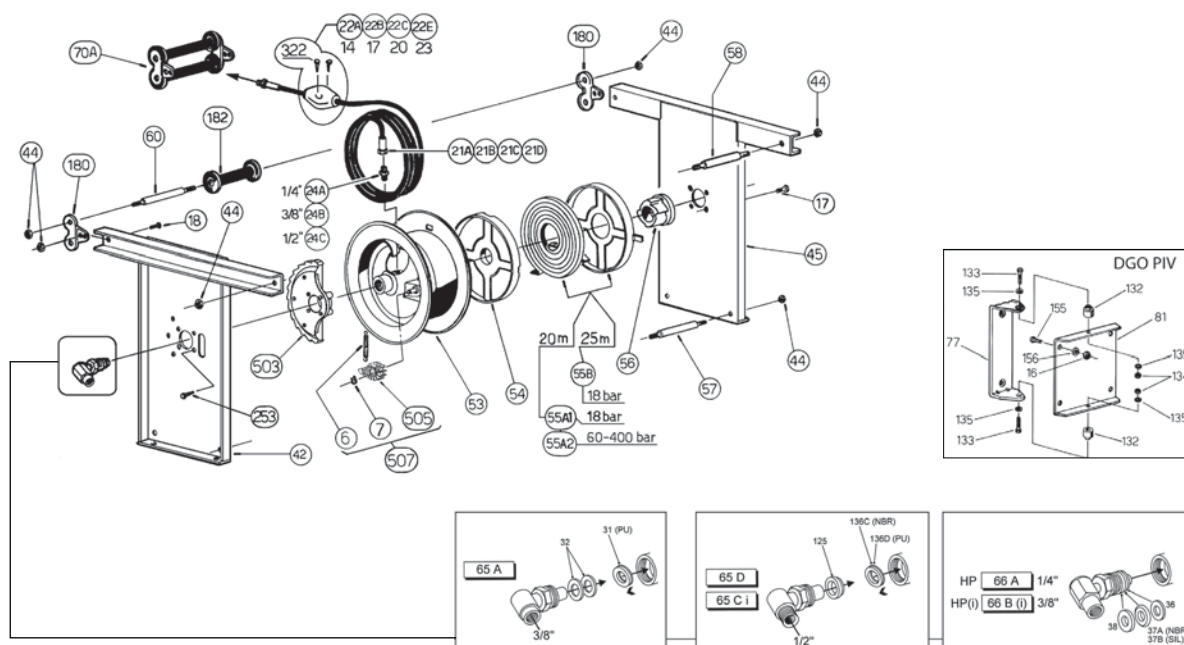
DVO



Ref.	Part number	Designation
6	DMG 0006	Ratchet spring
7	DMG 0007	Circlips D. 10
10	DMG 0010	Drum
011 A1	DMG 011A1	Spring 15 m 18 bar
011 A2	DMG 011A2	Spring 15 m 60 bar
011 A3	DMG 0011A3	Spring 15 m 400 bar
011 B	DMG 011B	Spring 20 m 18 bar
12	DMG 0012	Spring hub
16	DMG 0016	M10 nut
17	DMG 0017	TE M 6x16 screw
18	DMG 0018	TE M 6x10 screw
022 A	DMG 0022A	Limit stop D. 14 (1/4")
022 B	DMG 0022B	Limit stop D. 17 (3/8")
022 C	DGO BC20	Limit stop D. 20 (1/2")
022 E	DGO BC23	Limit stop D. 23 (5/8")
024 A	DMG 0024A	Double 1/2"-1/4" nipple
024 B	DMG 0024B	Double 1/2"-3/8" nipple
024 C	DMG 0024C	Double 1/2"-1/2" nipple
31	DMG 0031	Gasket
32	DMG 0032	Washer
44	DMG 0044	M6 nut
51	DMG 0051	Tie-rod L = 123
065A	DMG 0065A	Rotating coupling
069 A	DMG 0069A	Hose guide, Mod. A
76	DMG 0076	Bracket
80	DMG 0080	Stirrup
132	DMG 0132	Ring
133	DMG 0133	M 8x45 screw
134	DMG 0134	M8 nut
135	DMG 0135	Washer D. 8
155	DMG 0155	M 10x20 screw
156	DMG 0156	Washer D. 10
180	DMG 0180	Roller bracket
181	DMG 0181	Roller L = 122
248	DMG 0248	Left side panel
249	DMG 0249	Right side panel
250	DMG 0250	Arm
251	DMG 0251	Plate MOD. V
253	DMG 0253	TE 6x21 hilo screw
261	DMG 0261	TE M 6x12 screw
322	DMG 0322	TC 6x20 hilo screw
346	DMG 0346	Plastic cover
347	DMG 0347	Plastic cover
362	DMG 0362	TC M 6x16 screw
504	DMG 0504	Toothed crown
505	DMG 0505	Ratchet
506	DMG 0506	Clamp
507	DMG 507	Ratchet kit
	G	Rotating coupling
	T	Hose

SPARE PARTS FOR DGO AND DGO STAINLESS HOSE REELS

DGO



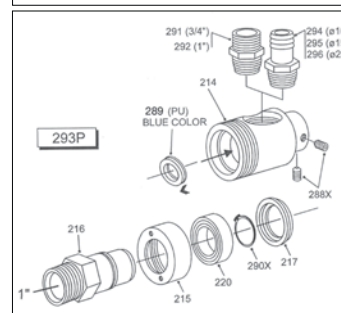
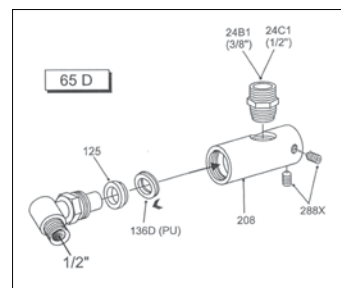
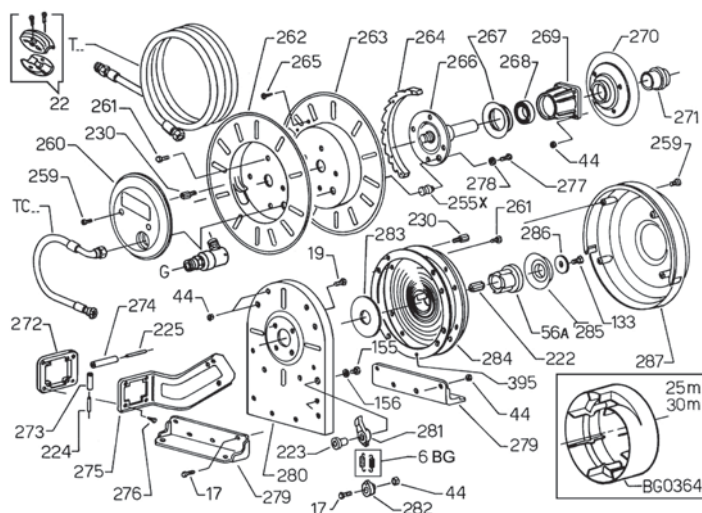
Ref.	Part number	Designation
6	DMG 0006	Return spring
7	DMG 0007	Circlips, dia. 10
16	DMG 0016	M10 nut
17	DMG 0017	te M6 X 16 screw
18	DMG 0018	te M6 x 10 screw
21A	DMG 0021A	Union for 8 mm tube
21B	DMG 0021B	Union for 10 mm tube
21C	DMG 0021C	Union for 13 mm tube
21D	DMG 0021D	Union for 16 mm tube
22A	DMO BC14	Rubber stop 8 x 14
22B	DMO BC17	Rubber stop 10 x 17
22C	DGO BC20	Rubber stop 13 x 20
22E	DGO BC23	Rubber stop 16 x 23
24A	DMG 0024A	Nipple for 8 x 14 tube
24B	DMG 0024B	Nipple for 10 x 17 tube
24C	DMG 0024C	Nipple for 13x20 & 16x23 tube
31	DMG 0031	Low pressure gasket dia. 12-22
32	DMG 0032	Thrust washer dia. 12-24
36	DMG 0036	HP brass washer
37A	DMG 0037A	HP 1/4" gasket
37B	DMG 0037B	HP 3/8" gasket
38	DMG 0038	HP thrust washer
42	DMG 0042	Left side panel
44	DMG 0044	M6 nut
45	DMG 0045	Right side panel
53	DMG 0053	Drum
54	DMG 0054	Spacer for drum
55A1	DMG 0055A1	Spring for 20 m 18 bar tube
55A2	DMG 0055A2	Spring for 20 m 60-400 bar tube
55B	DMG 0055B	Spring for 25 m tube
56	DMG 0056	Drive hub
57	DMG 0057	Tie-rod L: 165 mm
58	DMG 0058	Tie-rod L: 169 mm
60	DMG 0060	Tie-rod L: 173 mm
65A	DMG 65A	Complete 3/8" coupling
65D	DMG 0065D	Complete 1/2" coupling
66A	DMG 0066A	HP 1/4" coupling
66B	DGO 0066B	HP 3/8" coupling
70A	DMG 0070A	Hose guide assembly
77	DMG 0077	Bracket
81	DMG 0081	Stirrup
125	DMG 0125	Thrust washer dia. 16-24
132	DMG 0132	Ring
133	DMG 0133	M8 x 45 screw
134	DMG 0134	M8 nut
135	DMG 0135	Washer dia. 8
136D	DMG 0136D	Low pressure gasket dia. 16-22
155	DMG 0155	M10 x 20 screw
156	DMG 0156	Washer dia. 10
180	DMG 0180	Roller bracket
182	DMG 0182	Roller L=172 mm
253	DMG 0253	Te 6 x 21 screw
322	DMG 0322	TC 6 x 20 screw
503	DMG 0503	Toothed crown
505	DMG 0505	Ratchet
507	DMG 0507	Ratchet kit

Ref.	Part number	Designation
	DMG TC 0620GR	Rubber hose 6x16-20m
	DMG TC 1020	Rubber hose 10x17-20m
	DMG TC 1025	Rubber hose 10x17-25m
	DMG TC 1315	Rubber hose 13x20-15m
	DMG TC 1315OIL	Rubber hose 13x20-15m
	DMG TC 1320	Rubber hose 13x20-20m
	DMG TC 1320OIL	Rubber hose 13x20-20m
	DMG TC 1610	Rubber hose 16x23-10m
	DMG TC 1610LS	Rubber hose 16x24-10m
	DMG TC 1615LS	Rubber hose 16x24-15m
	DMG HP 0820	HP hose 8x17-20m
	DGO PIV	Pivoting bracket

Special parts for DGO STAINLESS		
Ref.	Part number	Designation
6	DMG 0006i	Ratchet return spring
7	DMG 0007i	Circlips, dia. 10
16	DMG 0016i	M 10 nut
17	DMG 0017i	te M6 X 16 screw
18	DMG 0018i	te M6 x 10 screw
24B	DMG 0024Bi	Nipple for 8x17 tube
24C	DMG 0024Ci	Nipple for 13x20 & 16x23 tube
42	DMG 0042i	Left side panel
44	DMG 0044i	M6 nut
45	DMG 0045i	Right side panel
53	DMG 0053i	Drum
55A	DMG 0055Ai	Spring for 20 m tube
57	DMG 0057i	Tie-rod L: 165 mm
58	DMG 0058i	Tie-rod L: 169 mm
60	DMG 0060i	Tie-rod L: 173 mm
65Ci	DMG 0065Ci	Complete 1/2" coupling
66Bi	DMG 66Bi	Complete 3/8" HP coupling
70A	DMG 0070i	Hose guide assembly
77	DMG 0077i	Bracket
81	DMG 0081i	Stirrup
132	DMG 0132i	Ring
133	DMG 0133i	M8 x 45 screw
134	DMG 0134i	M8 nut
135	DMG 0135i	Washer dia. 8
136C	DMG 0136C	Low pressure gasket dia. 16-22
155	DMG 0155i	M 10x20 screw
156	DMG 0156i	Washer dia. 10
180	DMG 0180i	Roller bracket
253i	DMG 0253i	te 6 x 21 screw
507	DMG 0507i	Ratchet kit

SPARE PARTS FOR DLO HOSE REELS

DLO



Ref.	Part number	Designation
6	DMG 0006	Ratchet return spring
17	DMG 0017	te M6 X 16 screw
19	DMG 0019	te M6 X 20 screw
22C	DGO BC20	Travel limit stop block 13 x 20
22E	DGO BC23	Travel limit stop block 16 x 23
22F	DGO BC27	Travel limit stop block 19 x 27
24B1	DMG 0024B1	1/2" - 3/4" union
24C1	DMG 0024C1	1/2" union
44	DMG 0044	M6 nut
56	DMG 0056	Drive hub
	DMG 0065Ci	Stainless steel rotating coupling
65D	DMG 0065D	Rotating coupling M 1/2" x 16 PU
125	DMG 0125	Washer dia. 11
133	DMG 0133	M8 x 45 screw
136D	DMG 0136D	Gasket dia. 16 PU
155	DMG 0155	M10 x 20 screw
156	DMG 0156	Washer dia. 10
208	DMG 0208	Hub
214	DMG 0214	Coupling body D. 56
215	DMG 0215	Ring
217	DMG 0217	Washer
220	DMG 0220	Washer
222	DMG 0222	Hexagonal insert
223	DMG 0223	Ratchet pivot
224	DMG 0224	Tie-rod dia. 8 x 53
225	DMG 0225	Tie-rod dia. 8 x 79
230	DMG 0230	M6 X 18 screw
255	DMG 0255	Tie-rod dia. 18
259	DMG 0259	TC M6 x 12 screw
260C	DMG 0260	Centred cover
260E	DMG 0260	Off-centre cover
261	DMG 0261	te M6 X 12 screw
262	DMG 0262	Right half-drum
263	DMG 0263	Left half-drum
264	DMG 0264	Toothed crown
265	DMG 0265	TS 6 x 18 screw

Ref.	Part number	Designation
266	DMG 0266	Hub
267	DMG 0267	Ring
268	DMG 0268	Washer
269	DMG 0269	Bracket
270	DMG 0270	Side panel
271	DMG 0271	Locking nut
272	DMG 0272	Roller bracket
273	DMG 0273	Roller L = 43
274	DMG 0274	Roller L = 69
275	DMG 0275	Hose guide assembly
278	DMG 0278	Washer dia. 8
280	DMG 0280	Frame
282	DMG 0282	Spring
276	DMG 0276	TC 5 x 10 screw
277	DMG 0277	te M 8 x 20 screw
279	DMG 0279	Mounting stirrup
281	DMG 0281	Ratchet
283	DMG 0283	Washer
284	DMG 0284	Spring
285	DMG 0285	Ring
286	DMG 0286	Washer dia. 8 x 54
287	DMG 0287	Spring casing
288	DMG 0288	M8 x 16 screw
289	DMG 0289	Gasket dia. 28 PU
290	DMG 0290	Circlips 30E
291	DMG 0291	3/4" union
292	DMG 0292	3/4" - 1" union
293P	DMG 0293P	Rotating coupling for DLO 19
294	DMG 0294	16 mm x 3/4" union
295	DMG 0295	19 mm x 3/4" union
395	DMG 0395	Ring D. 350
BG0364	DMG BG0364	Plastic washer
T	DMG TC1325	Rubber hose dia. 13 x 20 L=25 m
T	DMG TC1620	Rubber hose dia. 16 x 23 L=20 m
T	DMG TC1920	Rubber hose dia. 19 x 27 L=20 m
TC	DMG TC1920LS	Rubber hose dia. 19 x 28 L=20 m
TC		Connection hose
TC		Connection hose

polyurethane and

FLEXIBILITY AND STRENGTH

- ▶ Construction: Polyester Polyurethane or Polyamide PA12
- ▶ Supply of air to pneumatic components
- ▶ Flexible and long lasting
- ▶ Excellent memory: returns to original shape
- ▶ Pressure and temperature resistance
- ▶ Impact resistant
- ▶ Resistant to hydrolysis and chemicals
- ▶ Packaged in a dispenser box



polyamide tubes

	POLYURETHANE PU tube		POLYAMIDE PA tube	
Material	Polyurethane Ester base		PA 12 Polyamide	
Features	• Flexible and long lasting • Excellent shape memory, returns to original shape • Compatible with oils/greases • Abrasion resistance • Heat Stability • Not resistant to hydrolysis		• Resistant to hydrolysis and chemicals	
Service pressure at 20°C	Ø ext.	Bar	Ø ext.	Bar
	3 mm	14 Bar	3 mm	27 Bar
	4 mm	10 Bar	4 mm	23 Bar
	5 mm	11 Bar	5 mm	29 Bar
	6 mm	9 Bar	6 mm	27 Bar
	8 mm	8.5 Bar	8 mm	18 Bar
	10 mm	8.5 Bar	10 mm	18 Bar
	12 mm	9 Bar	12 mm	14 Bar
	14 mm	9 Bar	14 mm	12 Bar
	16 mm	9 Bar	16 mm	14 Bar
Temperature	- 20°C à + 70°C		- 40° C à + 100° C	
Bend radius	In accordance with NF standard		In accordance with NF standard	
Standards	NF : E 49-101		NF E 49-100 DIN 74324-1* DIN 73378	
Outlet diameter	3, 4, 5, 6, 8, 10, 12, 14, 16 mm		3, 4, 5, 6, 8, 10, 12, 14, 16 mm	
Colours	Blue, Grey, Clear, Yellow, Black, Red, Green		Blue, Grey, Clear, Yellow, Black, Red, Green	
Hardness	52 Shore D		63 Shore D	
Tensile strength	40 MPa		50 MPa	
Breaking extension	470 %		300 %	
Tensile stress at 100% deformation	16 MPa			
Threshold extension			25 %	
Threshold tensile stress			24 MPa	
Tear resistance	120 N/mm			
Abrasion	35 mm ³			
Fire resistance	HB UL 94		HB UL 94	
Vicat point under 1 daN			160° C	
Bowing temperature under load under 125°C 0,46 MPa			125° C	
Packaging	25 metres dispenser boxe 100 metres reels		25 metres dispenser boxe 100 metres reels	
Tracking	Every 50 cm		Every 50 cm	
Marking (Material, Ø, pressure)	Every 50 cm		Every 50 cm	

* Polyamide tube for brake systems

DIN 74324-1

for
 Ø 4 x 6 mm
 Ø 6 x 8 mm
 Ø 7,5 x 10 mm
 Ø 8 x 10 mm
 Ø 9 x 12 mm

Polyamide tube for use in motor vehicles

DIN 73378

THE RIGHT HOSE FOR EACH USE

A range of designs and materials to suit different applications





AIRCA

Rubber hose

- Rubber hose with alternating blue and black stripes
- SBR inner tube
- Synthetic fabric braid
- SBR/EPDM outer sheath (UV and ozone resistant)
- Resists flexion, traction and torsion forces
- Excellent abrasion resistance on concrete floors

► **Applications :** lubricated air supply for pneumatic tools.



VALYFLEX

Polyurethane hose with PVC sheath

- Hose: polyurethane inner layer, PVC outer layer
- Excellent abrasion resistance and flexibility

► **Applications :** compressed air, transfer of essences, oils, fuel oil, solvents, agricultural spraying, transfer of substances with medium abrasion (powders and grains).



STOFLEX

Anti-static rubber hose

- Electrical conductivity: electrical resistance < 106 ohm/m
- Inner tube: smooth black EPDM
- Carcass: synthetic thread
- Outer tube: smooth blue EPDM

► **Applications :** compressed air supply, paint spray guns, paint booths.



LOCKFLEX

Self-clamping NBR/PVC hose

- No clamps needed
- Suitable for AF unions, CPI outlets and quick couplings and so on
- Available in blue and red

► **Applications :** mould cooling circuits.



DIFLEX

PVC hose

- Transparent hose PVC reinforced with nylon braid
- Compatible with a wide range of chemical substance

► **Applications :** compressed air, water.



DOLEX

Industrial rubber hose

- Food grade
- NBR liner
- Synthetic fibre carcass and NBR/PVC coating

► **Applications :** washing of floors and hot water cleaning in food processing industries, canning factories, dairies, slaughterhouses.



SURFLEX

PVC hose with carcass

- Hose with 3 thermoplastic layers
- Light, flexible, resists impacts and compression

► **Applications :** air supply for pneumatic tools.

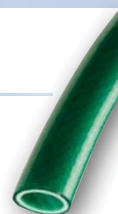


HOFLEX

PVC hose

- Anti-torsion PVC fabric braid
- "Total shield" protective PVC coating

► **Applications :** washing and cleaning with water, spraying.



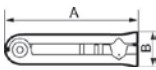
POLYURETHANE TUBES

Flexible and long-lasting	Temperature - 20°C to +70°C	Construction Polyurethane Ester base	For use with Cylinders, PLCs	Resistance to greases and oils	Standard NF E 49-101	Hardness 52 Shore D
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		A	B	Colour	Diameter ID/OD mm	Pressure @ 20°C (bar)	Coil m	Min. bend radius mm	REFERENCE
Polyurethane tube in 25 meter-box (unit of sales = 1 box)									
				Black	1,8 x 3	14	25	10	PUBK M180325
				Black	2,5 x 4	10	25	12	PUBK M250425
				Blue	2,5 x 4	10	25	12	PUBE M250425
				Clear	2,5 x 4	10	25	12	PUCR M250425
				Green	2,5 x 4	10	25	12	PUGN M250425
				Yellow	2,5 x 4	10	25	12	PUYW M250425
				Grey	2,5 x 4	10	25	12	PUGY M250425
				Red	2,5 x 4	10	25	12	PURD M250425
				Black	3 x 5	14	25	13	PUBK M030525
				Blue	3 x 5	11	25	13	PUBE M030525
				Black	4 x 6	9	25	15	PUBK M040625
				Blue	4 x 6	9	25	15	PUBE M040625
				Clear	4 x 6	9	25	15	PUCR M040625
				Green	4 x 6	9	25	15	PUGN M040625
				Yellow	4 x 6	9	25	15	PUYW M040625
				Grey	4 x 6	9	25	15	PUGY M040625
				Red	4 x 6	9	25	15	PURD M040625
				Black	5,5 x 8	8,5	25	20	PUBK M550825
				Blue	5,5 x 8	8,5	25	20	PUBE M550825
				Clear	5,5 x 8	8,5	25	20	PUCR M550825
				Green	5,5 x 8	8,5	25	20	PUGN M550825
				Yellow	5,5 x 8	8,5	25	20	PUYW M550825
				Grey	5,5 x 8	8,5	25	20	PUGY M550825
				Red	5,5 x 8	8,5	25	20	PURD M550825
				Black	7 x 10	8,5	25	25	PUBK M071025
				Blue	7 x 10	8,5	25	25	PUBE M071025
				Clear	7 x 10	8,5	25	25	PUCR M071025
				Green	7 x 10	8,5	25	25	PUGN M071025
				Yellow	7 x 10	8,5	25	25	PUYW M071025
				Grey	7 x 10	8,5	25	25	PUGY M071025
				Red	7 x 10	8,5	25	25	PURD M071025
				Black	8 x 12	9	25	35	PUBK M081225
				Blue	8 x 12	9	25	35	PUBE M081225
				Clear	8 x 12	9	25	35	PUCR M081225
				Black	9,5 x 14	9	25	45	PUBK M951425
				Blue	9,5 x 14	9	25	45	PUBE M951425
				Clear	9,5 x 14	9	25	45	PUCR M951425
				Black	11 x 16	9	25	55	PUBK M111625

POLYURETHANE TUBES

Flexible and long-lasting	Temperature - 20°C to +70°C	Construction Polyurethane Ester base	For use with Cylinders, PLCs	Resistance to greases and oils	Standard NF E 49-101	Hardness 52 Shore D
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		A	B	Colour	Diameter ID/OD mm	Pressure @ 20°C (bar)	Coil m	Min. bend radius mm	REFERENCE
Polyurethane tube in 100 meter-reel (unit of sales = 1 reel)									
PU 				Black	2,5 x 4	10	100	12	PUBK M2504100
				Blue	2,5 x 4	10	100	12	PUBE M2504100
				Clear	2,5 x 4	10	100	12	PUCR M2504100
				Green	2,5 x 4	10	100	12	PUGN M2504100
				Yellow	2,5 x 4	10	100	12	PUYW M2504100
				Grey	2,5 x 4	10	100	12	PUGY M2504100
				Red	2,5 x 4	10	100	12	PURD M2504100
				Black	4 x 6	9	100	15	PUBK M0406100
				Blue	4 x 6	9	100	15	PUBE M0406100
				Clear	4 x 6	9	100	15	PUCR M0406100
				Green	4 x 6	9	100	15	PUGN M0406100
				Yellow	4 x 6	9	100	15	PUYW M0406100
				Grey	4 x 6	9	100	15	PUGY M0406100
				Red	4 x 6	9	100	15	PURD M0406100
				Black	5,5 x 8	8,5	100	20	PUBK M5508100
				Blue	5,5 x 8	8,5	100	20	PUBE M5508100
				Clear	5,5 x 8	8,5	100	20	PUCR M5508100
				Green	5,5 x 8	8,5	100	20	PUGN M5508100
				Yellow	5,5 x 8	8,5	100	20	PUYW M5508100
				Gris	5,5 x 8	8,5	100	20	PUGY M5508100
				Red	5,5 x 8	8,5	100	20	PURD M5508100
				Black	7 x 10	8,5	100	25	PUBK M0710100
				Blue	7 x 10	8,5	100	25	PUBE M0710100
				Clear	7 x 10	8,5	100	25	PUCR M0710100
				Black	8 x 12	9	100	35	PUBK M0812100
				Blue	8 x 12	9	100	35	PUBE M0812100
				Clear	8 x 12	9	100	35	PUCR M0812100
				Black	9,5 x 14	9	100	45	PUBK M9514100
Tube cutter - R22 CT									
		Specially designed to get a 90° clean cut							
		112	28						R22 CT

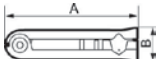
POLYAMIDE TUBES

Temperature - 40°C to + 100°C	Excellent memory returns to initial shape	Construction Polyamide PA 12	For use with Cylinders, PLCs	Hardness 63 Shore D	Standard NF E 49-100 DIN 73378 - 74324
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		A	B	Colour	Diameter	Pressure	Coil	Min. bend radius	Colour	REFERENCE
Polyamide tube in 25 meter-box (unit of sales = 1 box)										
PA 					1,8 x 3	27	25	15	Black	PABK M180325
					1,8 x 3	27	25	15	Blue	PABE M180325
					2,7 x 4	23	25	30	Black	PABK M270425
					2,7 x 4	23	25	30	Blue	PABE M270425
					2,7 x 4	23	25	30	Clear	PACR M270425
					2,7 x 4	23	25	30	Green	PAGN M270425
					2,7 x 4	23	25	30	Yellow	PAYW M270425
					2,7 x 4	23	25	30	Grey	PAGY M270425
					2,7 x 4	23	25	30	Red	PARD M270425
					3 x 5	29	25	30	Black	PABK M030525
					3 x 5	29	25	30	Blue	PABE M030525
					3 x 5	29	25	30	Clear	PACR M030525
					4 x 6	27	25	35	Black	PABK M040625
					4 x 6	27	25	35	Blue	PABE M040625
					4 x 6	27	25	35	Clear	PACR M040625
					4 x 6	27	25	35	Green	PAGN M040625
					4 x 6	27	25	35	Yellow	PAYW M040625
					4 x 6	27	25	35	Grey	PAGY M040625
					4 x 6	27	25	35	Red	PARD M040625
					6 x 8	18	25	55	Black	PABK M060825
					6 x 8	18	25	55	Blue	PABE M060825
					6 x 8	18	25	55	Clear	PACR M060825
					6 x 8	18	25	55	Green	PAGN M060825
					6 x 8	18	25	55	Yellow	PAYW M060825
					6 x 8	18	25	55	Grey	PAGY M060825
					6 x 8	18	25	55	Red	PARD M060825
					7,5 x 10	19	25	75	Black	PABK M751025
					7,5 x 10	19	25	75	Clear	PACR M751025
					8 x 10	18	25	90	Black	PABK M081025
					8 x 10	18	25	90	Blue	PABE M081025
					8 x 10	18	25	90	Clear	PACR M081025
					8 x 10	18	25	90	Green	PAGN M081025
					8 x 10	18	25	90	Yellow	PAYW M081025
					8 x 10	18	25	90	Grey	PAGY M081025
					8 x 10	18	25	90	Red	PARD M081025
					9 x 12	19	25	75	Black	PABK M091225
					9 x 12	19	25	75	Clear	PACR M091225
					10 x 12	14	25	92	Black	PABK M101225
					10 x 12	14	25	92	Blue	PABE M101225
					10 x 12	14	25	92	Clear	PACR M101225
					12 x 14	12	25	120	Black	PABK M121425
					12 x 14	12	25	120	Blue	PABE M121425
					12 x 14	12	25	120	Clear	PACR M121425
					13 x 16	14	25	115	Clear	PACR M131625

POLYAMIDE TUBES

Temperature - 40°C to + 100°C	Excellent memory returns to initial shape	Construction Polyamide PA 12	For use with Cylinders, PLCs	Hardness 63 Shore D	Standard NF E 49-100 DIN 73378 - 74324
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		A	B	Colour	Diameter	Pressure	Coil	Min. bend radius	Colour	REFERENCE
Polyamide tubing in 100 meter-reel (unit of sales = 1 reel)										
PA 					2,7 x 4	23	100	30	Black	PABK M2704100
					2,7 x 4	23	100	30	Blue	PABE M2704100
					2,7 x 4	23	100	30	Clear	PACR M2704100
					2,7 x 4	23	100	30	Green	PAGN M2704100
					2,7 x 4	23	100	30	Yellow	PAYW M2704100
					2,7 x 4	23	100	30	Grey	PAGY M2704100
					2,7 x 4	23	100	30	Red	PARD M2704100
					4 x 6	27	100	35	Black	PABK M0406100
					4 x 6	27	100	35	Blue	PABE M0406100
					4 x 6	27	100	35	Clear	PACR M0406100
					4 x 6	27	100	35	Green	PAGN M0406100
					4 x 6	27	100	35	Yellow	PAYW M0406100
					4 x 6	27	100	35	Grey	PAGY M0406100
					4 x 6	27	100	35	Red	PARD M0406100
					6 x 8	18	100	55	Black	PABK M0608100
					6 x 8	18	100	55	Blue	PABE M0608100
					6 x 8	18	100	55	Clear	PACR M0608100
					6 x 8	18	100	55	Green	PAGN M0608100
					6 x 8	18	100	55	Yellow	PAYW M0608100
					6 x 8	18	100	55	Grey	PAGY M0608100
					6 x 8	18	100	55	Red	PARD M0608100
					7,5 x 10	19	100	75	Black	PABK M7510100
					7,5 x 10	19	100	75	Clear	PACR M7510100
					8 x 10	18	100	90	Black	PABK M0810100
					8 x 10	18	100	90	Blue	PABE M0810100
					8 x 10	18	100	90	Clear	PACR M0810100
					8 x 10	18	100	90	Green	PAGN M0810100
					8 x 10	18	100	90	Yellow	PAYW M0810100
					8 x 10	18	100	90	Grey	PAGY M0810100
					8 x 10	18	100	90	Red	PARD M0810100
					9 x 12	19	100	75	Black	PABK M0912100
					9 x 12	19	100	75	Clear	PACR M0912100
					10 x 12	14	100	92	Black	PABK M1012100
					10 x 12	14	100	92	Blue	PABE M1012100
					10 x 12	14	100	92	Clear	PACR M1012100
					12 x 14	12	100	120	Red	PARD M1214100
Tube cutter - R22 CT										
			Specially designed to get a 90° clean cut							
	112	28								R22 CT

HOSE COILS

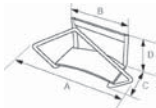
Built to last	Resistance Abrasion-resistant	Flexible	Packing Coil	Construction PVC - SBR/EPDM - PU
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		Coil m	Colour	Diameter ID/OD mm	Pressure 20°C	Temperature Max. °C	Max.pressure 20°C - bar	REFERENCE
Diflex PVC hose-coil								
		50	Blue	6 x 12	15	60	50	DIFLEX 6
		50	Blue	8 x 14	15	60	50	DIFLEX 8
		50	Red	8 x 14	15	60	50	DIFLEX 8RG
		25	Blue	8 x 14	15	60	50	DIFLEX 8C25
		50	Blue	9 x 15	15	60	50	DIFLEX 9
		50	Blue	10 x 16	15	60	50	DIFLEX 10
		50	Red	10 x 16	15	60	50	DIFLEX 10RG
		25	Blue	10 x 16	15	60	50	DIFLEX 10C25
		50	Blue	12 x 19	15	60	50	DIFLEX 12
		50	Red	12 x 19	15	60	50	DIFLEX 12RG
		50	Blue	13 x 20	15	60	50	DIFLEX 13
		50	Red	13 x 20	15	60	50	DIFLEX 13RG
		25	Blue	16 x 22	10	60	50	DIFLEX 16
		25	Blue	19 x 26	10	60	50	DIFLEX 19
		25	Blue	25 x 33	10	60	50	DIFLEX 25
		25	Clear	32 x 41	11	60	35	DIFLEX 32
		25	Clear	38 x 47	10	60	30	DIFLEX 38
		25	Clear	50 x 60	8	60	22	DIFLEX 50
Airca rubber hose - coil								
		40	Blue - Black	6 x 13	20	70	60	AIRCA 6
		40	Blue - Black	8 x 15	20	70	60	AIRCA 8
		20	Blue - Black	8 X 15	20	70	60	AIRCA 8C20
		40	Blue - Black	10 x 18	20	70	60	AIRCA 10
		40	Blue - Black	13 x 22	20	70	60	AIRCA 13
		40	Blue - Black	16 x 25	15	70	50	AIRCA 16
		40	Blue - Black	19 x 28	15	70	50	AIRCA 19
		40	Blue - Black	25 x 35	15	70	50	AIRCA 25
Reinforced Surfex PVC hose - coil								
		50	Blue	6.3 x 11	20	60	60	SURFLEX 6
		30	Blue	6.3 x 11	20	60	60	SURFLEX 6C30
		50	Blue	8 x 13	20	60	60	SURFLEX 8
		30	Blue	8 x 13	20	60	60	SURFLEX 8C30
		50	Blue	9 x 14.5	20	60	60	SURFLEX 9
		30	Blue	9 x 14.5	20	60	60	SURFLEX 9C30
		50	Blue	10 x 15.5	20	60	60	SURFLEX 10
		30	Blue	10 x 15.5	20	60	60	SURFLEX 10C30
		50	Blue	12,7 x 19	20	60	60	SURFLEX 13
		30	Blue	12.7 x 19	20	60	60	SURFLEX 13C30

HOSE COILS

Built to last	Resistance Abrasion-resistant	Flexible	Packing Coil	Construction PVC - SBR/EPDM - PU				
		Coil m	Colour	Diameter ID/OD mm	Pressure 20°C	Temperature Max. °C	Max.pressure 20°C - bar	REFERENCE
Stoflex antistatic hose - coil								
		50	Blue	8 X 15	20	100	50	STOFLEX 8
		50 m	Blue	9 x 16	20	100	50	STOFLEX 9
		50	Blue	10 X 18	20	100	50	STOFLEX 10
Valyflex polyurethane hose - coil								
		30	Green	8 x 14	20	60	60	VALYFLEX 8
		30	Green	10 x 16	20	60	60	VALYFLEX 10
		30	Green	12.7 x 19	20	60	60	VALYFLEX 13
Lockflex self-locking hose								
		For mounting without clamp on AF hose tail						
		20	Blue	10 x 17.5	10	-25 °C +70 °C	40	LOCKFLEX 10BL
		20	Red	10 x 17.5	10	-25 °C +70 °C	40	LOCKFLEX 10RG
		20	Blue	13 x 20.4	10	-25 °C +70 °C	40	LOCKFLEX 13BL
	20	Red	13 x 20.4	10	-25 °C +70 °C	40	LOCKFLEX 13RG	
Enroulex polyurethane hose (for hose reels)								
		120	Black	8 x 12	20	65	60	ENROULEX 8
		90	Blue	10 x 14	20	65	60	ENROULEX 10
Industrial rubber hose - Food grade								
		20 m	Blue	15,8 x 24	10	- 20 + 95		DOLEX 15
		20 m	Blue	19,4x28,4	10	- 20 + 95		DOLEX 19
Multi-layer PVC hose								
		25 m	Green	15 x 21	13	- 20 + 60		HOFLEX 15
		25 m	Green	19 x 26	13	- 20 + 60		HOFLEX 19

HOSE HOLDER

		A	B	C	D	DESCRIPTION	REFERENCE
Inox 304 hose holder							
		355	210	160	160	Wall storage bracket Suitable for 25 m of hose	EHS 25

WELDING HOSE OXYGEN AND ACETYLENE

		Diameter	Gas	REFERENCE
Single-line welding hose (20 m coil)				
		Single welding hose Coil length: 20 m Working pressure @ 20°C : 20 bar Burst pressure @ 20 °C : 60 bar Max. working temperature : + 60°C		
		6 x 12	Oxygen	TUB OX6
		6 x 12	Acetylene	TUB SET6
		10 x 17	Oxygen	TUB OX10
		10 x 17	Acetylene	TUB SET10
Split-proof twin line welding hose (20 m coil)				
		Split-proof twin-line hose for oxygen and acetylene Coil length: 20 m Working pressure @ 20°C : 20 bar Burst pressure @ 20 °C : 60 bar Max. working temperature : + 60°C		
		6 x 12	Ox. + Acet.	TUB OA6
		10 x 17	Ox. + Acet.	TUB OA10

extensions

HOSE EXTENSIONS FITTED WITH QUICK COUPLING AND ADAPTOR

- ▶ Wide range of extensions: choice of hose type, diameter and length
- ▶ Couplings perfectly match hose diameter
- ▶ Leak-tight, ready to use
- ▶ Easy and secure connections
- ▶ Easy to use, move and store



CRIMPED HOSE EXTENSIONS

- Hose attached to coupling with industrial crimping
- Encased in steel skirt
- Excellent grip of hose



HOSE EXTENSIONS WITH SWIVEL COUPLINGS

- Compressed air hose extension assembly for paint guns, with STOFLEX anti-static hose
- Compressed air hose extension assembly for pneumatic tools, with SBR rubber hose and AIRCA fabric braid

Extensions with swivel couplings avoid:

- problems due to twisted hoses
- work stoppages due to broken hoses
- difficult, uncomfortable positions
- Arm and wrist fatigue

They offer operators the freedom of movement needed for quick, highquality work.



SET HOSE EXTENSION EQUIPPED WITH PRESSED METAL SLEEVES AND QUICK COUPLINGS

Cost-effective	Fitted with Coupling and adaptor	Construction SBR - EPDM	Ready to use	Airtight sealed				
		Diameter ID/OD mm	With coupling	Length m	Pressure	Temperature Max °C	With adaptor	REFERENCE
Stoflex antistatic EPDM rubber extension hoses with pressed metal sleeves and non-scratch sheath								
		8 x 15	ISI 06	10	12	+60	IRP 06	RST SISB810
		8 x 15	IRC 06	10	12	+60	IRP 06	RST SIRCB810
		8 x 15	ESI 07	10	12	+60	ERP 07	RST SESB810
		8 x 15	ERC 07	10	12	+60	ERP 07	RST SERCB810
		9 x 16	ISI 06	12.50	12	+60	IRP 06	RST SISB912
		9 X 16	ESI 07	10	12	+60	ERP 07	RST SESB910
		9 x 16	ERC 07	10	12	+60	ERP 07	RST SERCB910
		10 x 18	IRC 06	10	12	+60	IRP 06	RST SIRCB1010
		10 x 18	ESI 07	10	12	+60	ERP 07	RST SESB1010
		10 X 18	ERC 07	10	12	+60	ERP 07	RST SERCB1010
		10 X 18	ESI 07	12,5	12	+60	ERP 07	RST SESB1012
Stoflex antistatic EPDM rubber extension hoses with British Profile quick couplings and non-scratch sheath								
		10 x 18	BSC 06	12,5	12	+60	BRP 06	RST SBSCB1012
Stoflex antistatic EPDM rubber extension hoses with Spanish Profile quick couplings								
		9 x 16	MSC 06	12,5	12	+60	MRP 06	RST SMSCB912
Stoflex antistatic EPDM rubber extension hoses								
		8 x 15	ERC 07	10	12	+60	ERP 07	RST SERC810
		9 x 16	ERC 07	10	12	+60	ERP 07	RST SERC910
		9 x 16	ERC 07	12,50	12	+60	ERP 07	RST SERC9125
		10 x 17	ERC 07	10	12	+60	ERP 07	RST SERC1010
		8 x 15	ESI 07	10	12	+60	ERP 07	RST SES810
		9 x 16	ESI 07	10	12	+60	ERP 07	RST SES910
		9 x 16	ESI 07	12.5	12	+60	ERP 07	RST SES9125
		10 x 17	ESI 07	10	12	+60	ERP 07	RST SES1010
Airca SBR/EPDM rubber extension hoses with ISO B profile quick couplings								
		8 x 15	IRC 06	10	12	+60	IRP 06	RST AIRC810
		8 x 15	IRM 06	10	16	+60	IRP 06	RST AIRM810
		8 x 15	CSI 06	10	12	+60	CRP 06	RST ACS810
		10 x 18	ISI 06	10	12	+60	IRP 06	RST AIS1010
		10 x 18	ISI 08	10	12	+60	IRP 08	RST AIS81010
		13 x 22	ISI 08	10	12	+60	IRP 08	RST AIS1310

SET HOSE EXTENSION EQUIPPED WITH PRESSED METAL SLEEVES AND QUICK COUPLINGS

Cost-effective	Fitted with Coupling and adaptor	Construction SBR - EPDM	Ready to use	Airtight sealed				
		Diameter ID/OD mm	With coupling	Length m	Pressure	Temperature Max °C	With adaptor	REFERENCE
Airca SBR/EPDM rubber extension hoses with 7,2 european profile quick couplings								
		8 x 15	ERC 07	10	12	+60	ERP 07	RST AERC810
		8 x 15	ESI 07	10	12	+60	ERP 07	RST AES810
		10 x 18	ESI 07	10	12	+60	ERP 07	RST AES1010
Airca SBR/EPDM rubber extension hoses with British Profile quick couplings and non-scratch sheat								
		8 x 15	BSC 06	10	12	+60	BRP 06	RST ABSCB810
Airca SBR/EPDM rubber extension hoses with Spanish Profile quick couplings								
		8 x 15	MSC 06	10	12	+60	MRP 06	RST AMSC810
Surflex PVC extension hose								
		9 x 14,5	ESI 07	10	12	+60	ERP 07	RST XES910

EXTENSION HOSES WITH QUICK RELEASE COUPLINGS

Construction PVC - PU - SBR - EPDM		Ready to use		Cost-effective		Fitted with Coupling and adaptor		Airtight sealed	
		Diameter ID/OD mm	With coupling	Length m	Pressure	Temperature Max.°C	With adaptor	REFERENCE	
Diflex PVC extension hoses									
		8x14	ISI 06	10	12	+60	IRP 06	RAL 810DIS	
		8x14	IRC 06	10	12	+60	IRP 06	RAL 810DIRC	
		8x14	CSI 06	10	12	+60	CRP 06	RAL DCS810	
		8x14	BSI 06	10	12	+60	BRP 06	RAL DBS810	
		10x16	ISI 08	10	12	+60	IRP 08	RAL 1010DIS	
Diflex PVC extension hoses with 7,2 european profile safety quick couplings									
		8 x 14	ESI 07	10	12	+60	ERP 07	RAL DES810	
		9 x 15	ESI 07	10	12	+60	ERP 07	RAL DES910	
Stoflex antistatic EPDM rubber extension hoses with non-scratch sheath									
		8 x 15	IRC 06	12.50	12	+60	IRP 06	RAL 8125SIB	
		8 x 15	CSI 06	12.50	12	+60	CRP 06	RAL SCSB812	
		10 x 18	ISI 06	12.50	12	+60	IRP 06	RAL SISB10125	
		10 x 18	IRC 06	12.50	12	+60	IRP 06	RAL 10125SIB	
Stoflex antistatic EPDM rubber extension hoses with non-scratch sheath and 7,2 european profile safety quick couplings									
		8 x 15	ESI 07	10	12	+60	ERP 07	RAL 810SESB	
		8 x 15	ESI 07	12.50	12	+60	ERP 07	RAL 8125SESB	
		9 x 16	ESI 07	10	12	+60	ERP 07	RAL 910SESB	
		9 x 16	ESI 07	12.50	12	+60	ERP 07	RAL 9125SESB	
		10 x 18	ESI 07	12.50	12	+60	ERP 07	RAL 10125SESB	
Airca SBR/EPDM rubber extension hoses									
		8 x 15	ISI 06	10	12	+70	IRP 06	RAL AIS810	
		8 x 15	IRC 06	10	12	+70	IRP 06	RAL 810IRC	
		8 x 15	CSI 06	10	12	+70	CRP 06	RAL ACS810	
		16 x 25	2 ISG 11: 1xISG 111816 1xISG 111103	20	12	+70	3 IRP: 2xIRP 116153 1xIRP 116816	LHD A1620	

EXTENSION HOSES WITH QUICK RELEASE COUPLINGS

Construction PVC - PU - SBR - EPDM		Ready to use		Cost-effective		Fitted with Coupling and adaptor		Airtight sealed	
		Diameter ID/OD mm	With coupling	Length m	Pressure	Temperature Max. °C	With adaptor	REFERENCE	
Surflex extension hoses									
		8 x 13	IRM 06	12.5	16	+60	IRP 06	RAL 8125X	
		8 x 13	ISI 06	12.5	12	+60	IRP 06	RAL 8125XIS	
		8 x 13	BSC 06	12,5	12	+60	BRP 06	RAL 8125XB	
		8 x 13	BSI 06	12.5	12	+60	BRP 06	RAL XBS812	
		10 x 15.5	IRC 06	10	12	+60	IRP 06	RAL 1010SIRC	
Surflex extension hoses with 7,2 european profile safety quick couplings									
		8 x 13	ESI 07	10	12	+60	ERP 07	RAL XES810	
		8 x 13	ESI 07	12,5	12	+60	ERP 07	RAL XES8125	
Surflex extension hoses									
		8 x 13	ERC 07	10	12	+60	ERP 07	RAL 810XERC	
		9 x 14.5	ERC 07	10	12	+60	ERP 07	RAL 910XERC	
Valyflex polyurethane hose									
		10 x 16	ISI 08	10	12	+60	IRP 08	ERK 5IS	
		8 x 14	ISI 06	15	12	+60	IRP 06	ERK 4IS	
		8 x 14	ISC 06	10	12	+60	IRP 06	RAL 810VIRC	
		8 x 14	IRM 06	15	16	+60	IRP 06	ERK 4	
		10 x 16	ISC 08	10	12	+60	IRP 08	ERK 5	
		12.7 x 19	IRC 08	7.5	12	+60	IRP 08	ERK 6	
Valyflex polyurethane hose with 7,2 european profile safety quick couplings									
		8 x 14	ESI 07	10	12	+60	ERP 07	RAL VES810	
		8 x 14	ESI 07	10	12	+60	ERP 07	ERK 4ES	
		10 x 14	ESI 07	10	12	+60	ERP 07	RAL VES1010	
		10 x 16	ESI 07	10	12	+60	ERP 07	ERK 5ES	
Valyflex polyurethane hose with 7,2 european profile quick couplings									
		8 x 14	ERC 07	10	12	+60	ERP 07	RAL 810VERC	
		10 x 16	ERC 07	10	12	+60	ERP 07	RAL 1010VERC	

STOFLEX EXTENSION HOSE WITH SWIVEL

Construction Rubber hose	Fitted with Couplings - Adaptors	Swivels 360°	Ready to use	Airtight sealed
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		Diameter int/ext mm	With coupling	Length m	Profile of coupling	Pressure 20°C	Temperature Max. °C	With adaptor	REFERENCE
AIRCA extension hose with swivel coupling for pneumatic tools									
		8 x 15	ISC 06	10	ISO 6150B	12	+70	IRP 06	RST AISCW810
		10 x 18	ISC 06	10	ISO 6150B	12	+70	IRP 06	RST AISCW1010
		13 x 22	ISC 08	10	ISO 6150B	12	+70	IRP 08	RST AISCW81310
		8 x 15	ESI 07	10	7,2 - 7,4	12	+70	ERP 07	RST AESW810
		10 x 18	ESI 07	10	7,2 - 7,4	12	+70	ERP 07	RST AESW1010
STOFLEX extension hose with swivel coupling for paint spray guns									
		8 x 15	ESI 07	10	7,2-7,4	12	+70	ERP 07	RST SESW810
		9 x 16	ESI 07	10	7,2 - 7,4	12	+70	ERP 07	RST SESW910
		10 x 18	ESI 07	10	7,2 - 7,4	12	+70	ERP 07	RST SESW1010
		8 x 15	ISI 06	10	ISO 6150B	12	+70	IRP 06	RST SISW810
		8 x 15	IRC 06	10	ISO 6150B	12	+70	IRP 06	RST SIRCW810
		10 x 18	ESI 07	12,5	7,2 - 7,4	12	+70	ERP 07	RST SESW1012
		10 x 18	BSC 06	12	British profile	12	+70	BRP 06	RST SBSCW1012
		10 x 18	IRC 06	10	ISO 6150B	12	+70	IRP 06	RST SIRCW1010

FLEXIBLE HOSE

Fitted with Adaptor and joiner	Construction SBR - EPDM	Ready to use	Airtight sealed
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		Length m	Diameter ID/OD in mm	Thread	With adaptor	Pressure at 20°C - bar	Temperature Max °C	REFERENCE
Flexible hose								
	- Insulates the quick coupling against vibrations which could damage it. - Connects the FRL with the ALR or PVR network downpipe. - Provides inlet hose for hose reels.							
	0,4	10 x 18	G 1/4	ERP 07	12	70	MAE 071410	
	0,4	10 x 18	G 1/4	IRP 06	12	70	MAI 061410	
	0,4	10 x 18	G 1/4	CRP 06	12	70	MAC 061410	
	0,4	10 x 18	G 1/4	ARP 06	12	70	MAA 061410	
	0,4	10 x 18	G 1/4	BRP 06	12	70	MAB 061410	
	0,4	10 x 18	G 1/4	ORP 08	12	70	MAO 061410	
	0,4	10 x 18	G 1/2	IRP 06	12	70	MAI 061210	
	0,4	13 x 22	G 3/8	IRP 08	12	70	MAI 083813	
	0,4	13 x 22	G 3/8	CRP 08	12	70	MAC 083813	
	0,4	13 x 22	G 3/8	ERP 07	12	70	MAE 073813	
	0,4	13 x 22	G 1/2	IRP 08	12	70	MAI 081213	
	0,4	16 x 25	G 1/2	IRP 11	12	70	MAI 111216	
	0,4	16 x 25	G 3/4	IRP 11	12	70	MAI 113416	

EXTENSION HOSES FOR WATER SYSTEMS

Fitted with water coupling and adaptor		Bend radius and strong		Construction PVC		Application Washing and cleaning		Ready to use Airtight sealed	
		Coil	Colour	Diameter ID/OD in mm	Pressure in bar	Temperature in °C	Construction	REFERENCE	
Extension hose with valved hose coupling and adaptor									
		25 m	Yellow	15 x 21	8	- 10 + 50	PVC	RAL 1525TLS	

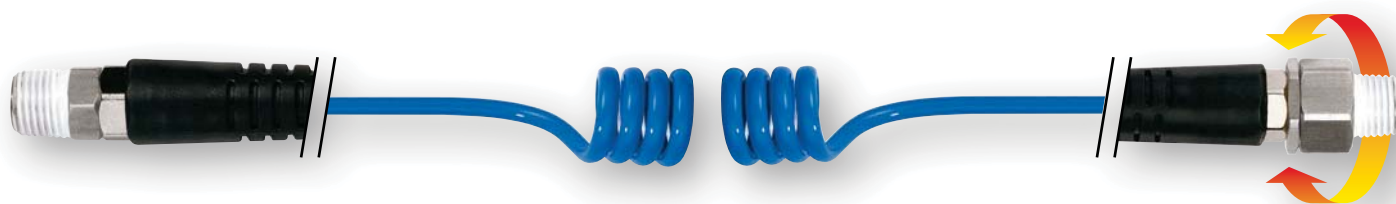
SAFETY EXTENSION HOSES

Airtight sealed	Use welding	Fluid oxygen, acetylene	Safety equipment	
		Inlet	Outlet	REFERENCE
Complete welding extension hose (screws on to fitted, sealed check valve)				
		Welder protection Includes: 2 joiners, 10 m twin welding hose, 2 safety couplings against backfires and backgas 4 'O' clips Function : against backfires and backgas Function : Quick coupling		
		10 x 150	6 x 12	SIR 06S2
		10 x 150	10 x 17	SIR 10S2
Welding spool piece (screws on to fitted, sealed welding torch)				
		Includes: 2 adaptors, 0,8 m twin welding hose, 2 joiners, 4 'O' clips Function : Quick coupling		
		6 x 12	16 x 150	SIM 06
		6 x 12	12 x 100	SIM 0612
		10 x 17	16 x 150	SIM 10

spirals

SPIRALS WITH SWIVEL COUPLING: GUARANTEED FREEDOM OF MOVEMENT





PUS POLYURETHANE SPIRAL HOSE

FLEXIBILITY AND RESISTANCE

- Torsion resistance
- Shape memory
- Impact resistance
- Abrasion resistance
- Long life
- Hydrolysis resistance
- Quality: Polyether 95° A Shore
- Low radius of curvature



FIXED COUPLING

Fixed coupling on supply side

Technical characteristics of both couplings (fixed and rotary)

- Nickel-plated brass couplings
- Teflon-coated threads
- Protectors PVC pipe for protection



SWIVEL COUPLING

Swivel coupling on pneumatic tool side

- Coupling mounted on ball bearing for easy rotation even under pressure
- No detrimental stresses on the hose spirals

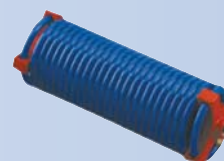


SPIC POLYAMIDE SPIRAL HOSE

FLEXIBILITY AND RESISTANCE

- Pressure resistance
- Impact resistance
- Temperature resistance
- Hydrolysis resistance
- Resistance to chemical substances
- Compatible with oils / hydrocarbons

BALANCER WITH SPI SPIRAL HOSE



- ▶ Tool supply via polyamide spiral hose
- ▶ Tool suspended on conical twisted axial spring for quick extension and recall
- ▶ Straightforward principle, therefore highly dependable even in tough conditions
- ▶ Balancers can be connected to the network in three ways:
 - Safety adaptor and quick coupling
 - Flexible hose, allowing tool height adjustment
 - Direct attachment to the compressed air network

POLYURETHANE RECOILS WITH SCRATCH-RESISTANT FITTINGS

Easy to handle	Flexible	Construction Polyurethane Polyether 98 A shores	Rigid fitting Teflon-coated Scratch-resistant	Temperature Max. 70°C	Pressure P.N.8 bar	Swivel fitting Teflon-coated Scratch-resistant	Silicone free
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		Colour	Diameter ID/OD mm	Length Max m	Rigid fitting Inlet end	Coil diameter mm	Min. length m	Swivel fitting Tool end	REFERENCE
Mini polyurethane recoils with push-in fittings									
		Recoils fitted with RPD MG CONEX push-in fittings							
		Blue	2,5 x 4	2	G 1/8	24	0,19	G 1/8	PUS 22
		Blue	2,5 x 4	4	G 1/8	24	0,39	G 1/8	PUS 24
		Bleu	4 x 6	2	G 1/4	32	0,23	G 1/4	PUS 42
		Bleu	4 x 6	4	G 1/4	32	0,48	G 1/4	PUS 44
Polyurethane recoils with rigid and swivelling male fittings									
		Blue	5 x 8	2	R 1/4	42	0.18	R 1/4	PUS 52
		Blue	5 x 8	4	R 1/4	42	0.40	R 1/4	PUS 54
		Blue	5 x 8	6	R 1/4	42	0.60	R 1/4	PUS 56
		Blue	5 x 8	8	R 1/4	42	0.80	R 1/4	PUS 58
		Blue	6.5 x 10	4	R 1/4	52	0.40	R 1/4	PUS 64
		Blue	6.5 x 10	6	R 1/4	52	0.63	R 1/4	PUS 66
		Blue	6.5 x 10	8	R 1/4	52	0.80	R 1/4	PUS 68
		Blue	6.5 x 10	10	R 1/4	52	0.95	R 1/4	PUS 610
		Blue	8 X 12	4	R 3/8	65	0.40	R 3/8	PUS 84
		Blue	8 x 12	6	R 3/8	65	0.65	R 3/8	PUS 86
		Blue	8 x 12	8	R 3/8	65	0.72	R 3/8	PUS 88
		Blue	8 x 12	15	R 3/8	65	1.35	R 3/8	PUS 815
		Blue	11 x 16	4	R 1/2 Fixed	90	0.40	R 1/2 Fixed	PUS 114
		Blue	11 x 16	8	R 1/2 Fixed	90	0.80	R 1/2 Fixed	PUS 118
		Polyurethane recoils with rigid and swivelling male fittings							
		Red	6.5 x 10	4	R 1/4	42	0.40	R 1/4	PUS 64R
		Red	6.5 x 10	6	R 1/4	52	0.63	R 1/4	PUS 66R
Polyurethane recoils with rigid and swivelling male fittings									
		Yellow	6.5 x 10	4	R 1/4	42	0.40	R 1/4	PUS 64J
		Yellow	6.5 x 10	6	R 1/4	52	0.63	R 1/4	PUS 66J

POLYURETHANE RECOILS WITH SCRATCH-RESISTANT FITTINGS

Easy to handle	Flexible	Construction Polyurethane Polyether 98 A shores	Rigid fitting Teflon-coated Scratch-resistant	Temperature Max. 70°C	Pressure P.N.8 bar	Swivel fitting Teflon-coated Scratch-resistant	Silicone free
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		Colour	Diameter ID/OD mm	Length Max m	Rigid fitting Inlet end	Coil diameter mm	Min. length m	Swivel fitting Tool end	REFERENCE
Polyurethane recoils with rigid and swivelling male fittings									
		Green	6.5 x 10	4	R 1/4	42	0.40	R 1/4	PUS 64V
		Green	6.5 x 10	6	R 1/4	52	0.63	R 1/4	PUS 66V
Polyurethane recoils with rigid and swivelling male fittings									
		Black	6.5 x 10	4	R 1/4	42	0.40	R 1/4	PUS 64NR
		Black	6.5 x 10	6	R 1/4	52	0.63	R 1/4	PUS 66NR

POLYURETHANE/PVC RECOILS WITH FIXED FITTINGS

Construction Polyurethane/PVC Polyether 95 A shores	Rigid fitting Nickel-plated brass	Pressure P.N.10 bar	Temperature - 40°C to +70°C	Easy to handle	Compatible Oils, Greases, Ozones, aqueous solutions, UV	Self-extinguishing
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		DESCRIPTION	REFERENCE
Polyurethane/PVC recoils with rigid male fittings			
		Applications : Intense-use workshops with heavily-used work stations Welding, grinding, deburring, disc cutting shops Mould and injection press cooling circuits	
		Ø in mm	Long. m
		Male thread	
		6,5 x 10	6
		8 x 12	6
		G 1/4	PUS 66CX
		G 3/8	PUS 86CX

POLYURETHANE RECOILS WITH QUICK COUPLING AND PLUG

Flexible	Swivel fitting	Temperature Max 70 °C	Pressure	Construction
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		Colour	Diameter ID/OD mm	Length Max. m	Coil diameter mm	Min. length m	With coupling	REFERENCE
POLYURETHANE RECOILS WITH QUICK COUPLINGS								
		Blue	5 x 8	2	42	0.18	ESI 07	PUS 52ES
		Blue	5 x 8	4	42	0.40	ESI 07	PUS 54ES
		Blue	6.5 x 10	8	52	0.80	ESI 07	PUS 64ES
		Blue	8 x 12	8	65	0.72	ESI 07	PUS 88ES
		Blue	6.5 x 10	4	42	0.40	ISI 06	PUS 64IS
		Blue	6.5 x 10	6	52	0.63	ISI 06	PUS 66IS
		Blue	8 x 12	6	65	0.65	ISI 06	PUS 86IS

POLYAMIDE RECOILS

Compatible Air, water	Compatible with Chemicals	Pressure P.N.10 bar	Temperature Max.90°C	Construction Polyamide	Full-flow fitting
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		Colour	Diameter ID/OD mm	Length Max. m	Swivel fitting Both ends	Coil diameter mm	Min. length m	REFERENCE
Polyamide recoils with swivelling male fittings								
		Blue	6 x 8	2.5	G 1/4	96	0.12	SPIC 62
		Blue	6 x 8	5	G 1/4	96	0.24	SPIC 65
		Blue	6 x 8	10	G 1/4	96	0.48	SPIC 610
		Blue	6 x 8	20	G 1/4	96	0.96	SPIC 620
		Blue	8 x 10	2,5	G 1/4	110	0.14	SPIC 82
		Blue	8 x 10	5	G 1/4	110	0.28	SPIC 85
		Blue	8 x 10	10	G 1/4	110	0.55	SPIC 810
		Blue	8 x 10	20	G 1/4	110	1.10	SPIC 820
		Blue	9.5 x 12	2,5	G 3/8	144	0.12	SPIC 102
		Blue	9.5 x 12	17	G 3/8	144	0.97	SPIC 1016
		Blue	9.5 x 12	4	G 3/8	144	0.24	SPIC 104
		Blue	9.5 x 12	8.5	G 3/8	144	0.49	SPIC 108
Polyamide recoils with rigid male fittings								
		Blue	6 x 8	5	Rigid G 1/4	96	0.25	SPIC 65FX
		Blue	6 x 8	10	Rigid G 1/4	96	0.50	SPIC 610FX
		Blue	6 x 8	20	Rigid G 1/4	96	1.00	SPIC 620FX
		Blue	8 x 10	5	Rigid G 1/4	110	0.25	SPIC 85FX
		Blue	8 x 10	10	Rigid G 1/4	110	0.50	SPIC 810FX
		Blue	8 x 10	20	Rigid G 1/4	110	1.00	SPIC 820FX

POLYAMIDE RECOILS

Compatible Air, water		Compatible with Chemicals		Pressure P.N.10 bar		Temperature Max.90°C		Construction Polyamide		Full-flow fitting	
		Colour	Diameter ID/OD mm	Length Max. m	Swivel fitting Both ends	Coil diameter mm	Min. length m	REFERENCE			
Polyamide recoils with tails and rigid male fittings											
		Blue	6.5 x 8	5	Rigid G 1/4	78	0.6	SPI 95			
Polyamide recoils without fittings											
		Blue	2.7 x 4	10		28	1.06	SPIR 2710			
		Blue	4.5 x 6	12		52	1.00	SPIR 456			
		Blue	4 x 6	26		72	1.33	SPIR 4526			
		Blue	6 x 8	10		96	0.48	SPIR 610			
		Blue	6 x 8	20		96	0.96	SPIR 620			
		Blue	8 x 10	20		110	1.10	SPIR 820			
		Blue	9.5 x 12	17		144	0.97	SPIR 1016			
		Blue	12.7 x 16	24		222	1.33	SPIR 12730			
		Blue	16 x 20	20		230	1.33	SPIR 1630			

BLOW GUN KITS

Pressure PN 8 bar	Flexible	Airtight Sealed	Ergonomic	Easy to handle					
		Diameter ID/OD mm	With coupling	With blower	Length Max. m	With adaptor	With joiner	Construction	REFERENCE
Blow gun kit with malleable nozzle, spiral hose and safety quick coupling									
		5 x 8	ESI 071101	SDA 7E	2	ERP 076101		Polyurethane	ERK 3NSES
		5 x 8	BSC 061101	SDA 6B	2	BRP 066101		Polyurethane	ERK 3NSB

BLOW GUN KITS

Pressure PN 8 bar		Flexible		Airtight Sealed		Ergonomic		Easy to handle	
		Diameter ID/OD mm	With coupling	With blower	Length Max. m	With adaptor	With joiner	Construction	REFERENCE
Blow gun kit with distortion nozzle									
		4 x 6		Distorts gradually	4			Polyurethane	HELICOL 4
Blow gun kit with STL 101, spiral hose and standard quick coupling									
		5 x 8	IRC 061101	STL 101	2	IRP 066151+ 066101		Polyurethane	HELICOL 8
Blow gun kit with Force 3, spiral hose and metal standard quick coupling									
		6.5 x 8	IRM 061101	FORCE 3	4.5	IRP 066101		Polyurethane	HELICOL 1
Blow gun kit with Force 3, spiral hose and metal standard quick coupling									
		5 x 8	IRM 061101	FORCE 3	2	IRP 066101		Polyurethane	HELICOL 2
Blow gun kit with coupling									
		6.5 x 8	Fixed	27102 MTL	5			Polyamide	HELICOL 3
Polyurethane blower kit									
		5 x 8	Fixed	27102 MTL	2			Polyurethane	HELICOL 6
		5 x 8	Fixed	27102 MTL	4			Polyurethane	HELICOL 7

FITTINGS FOR POLYURETHANE RECOILS

Scratch resistant Protects recoils	Teflon-coated	Swivel fitting With ball bearings	Construction Protective PVC sheath	Rigid fitting	Construction Nickel-plated fitting	Full-flow fitting

FITTINGS FOR POLYAMIDE RECOILS

Construction Nickel plated brass		Spring guard		Full-flow fitting		
		Diameter ID/OD mm	Thread BSP Gas	Swivel fitting	Rigid fitting	REFERENCE
Swivel fitting for polyamide recoils						
		4 x 6	G 1/4 male	Swivel		20
		6 x 8	G 1/4 male	Swivel		22
		8 x 10	G 1/4 male	Swivel		25
		8 x 10	G 3/8 male	Swivel		25M38
		10 x 12	G 3/8 male	Swivel		27
		10 x 12	G 3/8 female	Swivel		27F38
Fixed fitting for polyamide recoils						
		4 x 6	G 1/4 male		Fixed	20FX
		6 x 8	G 1/4 male		Fixed	22FX
		8 x 10	G 1/4 male		Fixed	25FX
		10 x 12	G 3/8 male		Fixed	27FX
		12.7 x 16	G 1/2 male		Fixed	29FX
		16 x 20	G 3/4 male		Fixed	30FX

SPIRALEX TOOL BALANCERS WITH RECOILS

Less strain	Cost-effective	Simple solution	Built to last	Fluid Air	Automotive applications	Industrial application

clamps

EAR CLAMPS

PERMANENT FASTENERS

TECHNICAL ADVANTAGES

- Shakeproof
- Very high torque
- Corrosion resistance
- Quick and easy installation
- Sleek appearance
- Perfect deburring, avoiding any risk of injuries
- Very cost-effective solution
- Useable at a wide range of pressures

SELECTION

HOW TO SELECT EAR CLAMPS

- A - Determine the outer diameter of the hose to be crimped.
- B - Add 1 mm.
- C - Select a clamp of the resulting diameter.

FITTING

HOW TO FIT EAR CLAMPS

- 1 - Position the clamp on the part to be crimped.



- 2 - Insert the hose between the clamp and the part.



- 3 - Tighten progressively, in four stages, using the SER 02 crimping pliers.



REMOVING

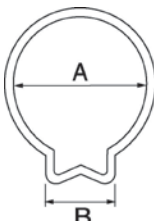
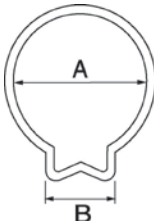
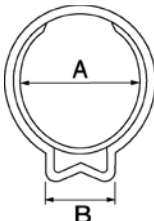
HOW TO REMOVE EAR CLAMPS

Cut the clamp across its width using a pair of pliers.



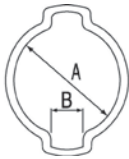
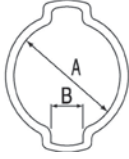
SINGLE EAR O CLIPS

Stay tight	Diameter Wide range	Smoothed	Cost-effective	Extremely tight clamp	Construction Zinc-plated steel	Safety safe to use	Installation Easy to fit
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		A	B	Diameter Min / Max mm	Band width mm	Number of ears	Packing	REFERENCE
Standard treated steel clips								
		9.3	5.5	7 - 9	6	1	100	0709E
		10.3	6	8 - 10	6	1	100	0810E
		11.3	6.5	9 - 11	6.5	1	100	0911E
		12.3	7	10 - 12	6.5	1	100	1012E
		13.3	7.5	11 - 13	6.5	1	100	1113E
		14.3	8	12 - 14	7	1	100	1214E
		16.3	8.5	14 - 16	7	1	100	1416E
		18.5	9.5	16 - 18	7	1	100	1618E
Stainless steel clips								
		9.3	5.5	7 - 9	6	1	100	INOX 0709E
		10.3	6	8 - 10	6	1	100	INOX 0810E
		11.3	6.5	9 - 11	6.5	1	100	INOX 0911E
		12.3	7	10 - 12	6.5	1	100	INOX 1012E
		13.3	7.5	11 - 13	6.5	1	100	INOX 1113E
		14.3	8	12 - 14	7	1	100	INOX 1214E
		15.3	8	13 - 15	7	1	100	INOX 1315E
		16.3	8.5	14 - 16	7	1	100	INOX 1416E
		17.5	9	15 - 17	7	1	100	INOX 1517E
		18.5	9	16 - 18	7	1	100	INOX 1618E
		19.5	9.5	17 - 19	7.5	1	100	INOX 1719E
		20.5	10	18 - 20	7.5	1	100	INOX 1820E
Standard treated steel clips with ring								
		8.5	5.5	7.5 - 8.5	6	1	100	0708EG
		9.5	6	8 - 9.5	6	1	100	0809EG
		10.5	6.5	9 - 10.5	6.5	1	100	0910EG
		11.5	7	10 - 11.5	6.5	1	100	1011EG
		12.5	7.5	10.5 - 12.5	6.5	1	100	1012EG
		13.3	8	11.5 - 13.3	7	1	100	1113EG
		15.3	8.5	13 - 15.3	7	1	100	1315EG
		17.3	9.5	15 - 17.3	7	1	100	1517EG
Stainless steel clips with ring								
		8.5	5.5	7.5 - 8.5	6	1	100	INOX 0708EG
		9.5	6	8.2 - 9.5	6	1	100	INOX 0809EG
		10.5	6.5	9 - 10.5	6.5	1	100	INOX 0910EG
		11.5	7	10 - 11.5	6.5	1	100	INOX 1011EG
		12.5	7.5	10.5 - 12.5	6.5	1	100	INOX 1012EG
		13.5	8	11.5 - 13.5	7	1	100	INOX 1113EG
		14.5	8	12.5 - 14.5	7	1	100	INOX 1314EG
		15.3	8.5	13 - 15.3	7	1	100	INOX 1315EG
		16.3	9	14 - 16.3	7	1	100	INOX 1416EG
		17.3	9.5	15 - 17.3	7	1	100	INOX 1517EG
		18.3	9.5	16 - 18.3	7.5	1	100	INOX 1618EG
		19.3	10	17 - 19.3	7.5	1	100	INOX 1719EG

DOUBLED EARED O CLIPS

Ease of use	Installation Easy to fit	Stay tight	Diameter Wide range	Smoothed	Cost-effective	Extremely tight clamp	Construction Treated steel	Safety safe to use
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		A	B	Band width mm	Packing	Number of ears	Diameter Min/Max mm	REFERENCE
Standard treated steel clips								
				2-ear-clamps				
		7.3	3	6	100	2	05 - 07	0507
		9.3	3	6	100	2	07 - 09	0709
		11.3	3	7	100	2	09 - 11	0911
		13.3	3.5	7	100	2	11 - 13	1113
		15.3	3.5	7	100	2	13 - 15	1315
		17.5	4.5	7	100	2	14 - 17	1517
		18.5	4.5	7	100	2	15 - 18	1518
		20.5	5.5	7	100	2	17 - 20	1720
		21.5	5.5	7	100	2	18 - 21	1821
		23.5	5.5	8	100	2	20 - 23	2023
		25.5	6	9	100	2	22 - 25	2225
		27.5	6.5	9	100	2	23 - 27	2327
		28.5	7	9	100	2	25 - 28	2528
		31.5	7	9	100	2	28 - 31	2731
		34.5	7.5	9	100	2	31 - 34	3134
		37.5	7.5	9	100	2	34 - 37	3437
		40.5	8	10	50	2	37 - 40	3740
		43.5	8.5	10	50	2	40 - 43	4043
		16.5	8.5	10	50	2	43 - 46	4346
Treated steel double O clip								
				9	100		12 - 13	1213D
				9	100		14 - 15	1415D
				9	100		16 - 17	1617D
				9	100		18 - 19	1819D
Stainless steel								
				2-ear-clamps Component: 304L stainless steel				
		7.3	4.3	6	100	2	05 - 07	INOX 0507
		9.3	4.3	7	100	2	07 - 09	INOX 0709
		11.3	5.3	7	100	2	09 - 11	INOX 0911
		13.3	5.8	7	100	2	11 - 13	INOX 1113
		15.3	6.3	7	100	2	13 - 15	INOX 1315
		18.5	7	8	100	2	15 - 18	INOX 1518
		20.5	7.6	8	100	2	17 - 20	INOX 1720
		23.5	8.5	8	100	2	20 - 23	INOX 2023
Pincers for assembling clips								
				Pincers				SER 02
				Pincers with extra side jaws				SER 04
O clip kit								
				Assortment of 210 standard Prevost O clips, Refs. 0911 to 2327				
								BC 0927

clamps

SCREW CLAMPS

QUICK AND EASY

PBJ

SCREW CLAMPS WITH PERFORATED STRIP

- **Flexible perforated strip**
 - Economical
 - Available as kit for producing large diameter custom clamps

- **Square threads**
3 m, 5 m and 25 m strips available for producing custom diameter clamps.

► All applications

1 Material

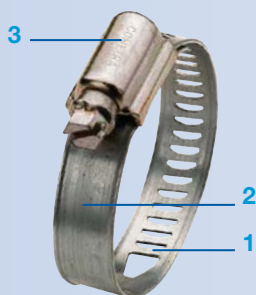
Electrogalvanised steel.

2 Raised edges

The raised edges help ensure that the clamp seats correctly without any risk of cutting the hose.

3 Pressed housing

Electrogalvanised pressed housing.



PBS - PBI - PBX

SCREW CLAMPS WITH SOLID BAND

► High tightening torque

- Reliable
- No risk of coming loose
- Not sensitive to vibrations
- Constant pressure
- Corrosion resistance (PBI)
- Excellent corrosion resistance (PBX)
- Food industry or marine environment (PBX)

► All applications

1 Material

PBS - High quality galvanised carbon steel with 10 to 14 micron zinc plating.

PBI - 304 stainless steel

PBX - 316 stainless steel

2 Raised edges

The raised edges help ensure that the clamp seats correctly without any risk of cutting the hose

3 Pressed housing

Housing manufactured from steel tube, protected by corrosion-proof blue lacquer.

4 Square threads

Square thread drive. Forged screw threads and tappings to ensure dependability despite vibrations.



PBR

STURDY CLAMPS

► For heavy-duty applications

- High torque
- Double screw retaining mechanism for dependability and longevity
- Low friction and easy accessibility

► All harsh applications

- Water - Air
- Irrigation, pumping, etc.

1 Material

High quality galvanised carbon steel with 10 to 14 micron zinc plating.

2 Screw and nut system

For high tightening torque.

3 Double screw retention

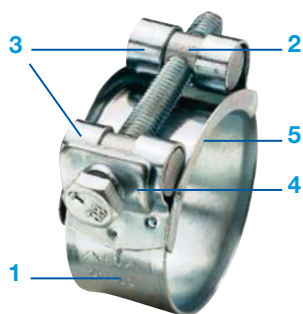
4 Screw placed on washer

Reduces friction and improves accessibility.

5 Strip saddle

Placed under the screw:

- Protects the hose
- High torque



PBC

RUBBER-COATED CLAMPS

► Mounting - Protection

- Suspension
- Retention
- Vibration absorption
- Hose protection
- Seal between pipes and clamps

► Applications

- Automotive industry
- Shipbuilding
- Refrigeration
- Wiring

1 Material

Bent galvanized steel strip.

2 Protection

EPDM rubber.

3 Clamping

Bolt and nut (not supplied).

4 Fixing

Oval mounting hole for easier adjustment.



PF

DOUBLE GALVANISED WIRE CLAMPS

► Constant gap double wire technique

- Cost-effective solution for difficult seals, particularly on smooth fittings

► Applications

- Rigid and semi-rigid hoses whose cross-section is not always perfectly cylindrical
- Air conditioning
- Air ducts

1 Material

Zinc-plated steel.

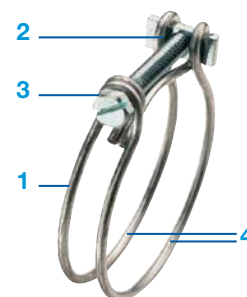
2 Clamping

Screw and nut.

3 Head

8 mm slotted hex head.

4 Double wire



PBM

MINI CLAMPS

- Clamps for small, thin-walled hoses.
- Does not damage hose
- Perfect seal
- Good resistance

1 Material

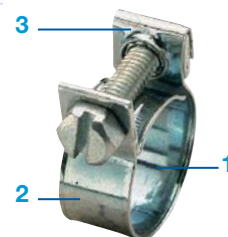
Zinc-plated steel.

2 Raised edges

Help ensure that the clamp seats correctly without any risk of cutting the hose.

3 Captive nut

Remains in place even if the screw is removed.



PBP

MICRO CLAMPS

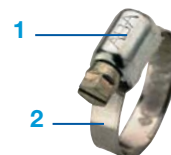
- Clamps for small diameter hoses.
- Suitable for use in cramped locations

1 Material

White chrome-plated electrogalvanised steel.

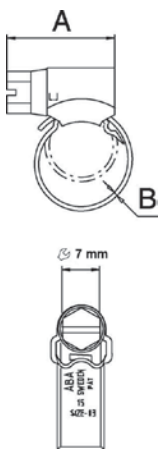
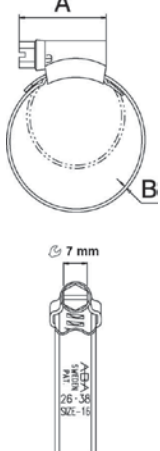
2 5 mm strip

Appropriate micro-housing.



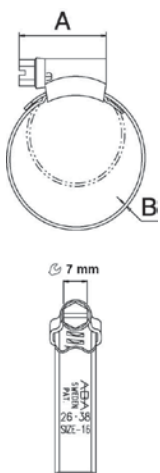
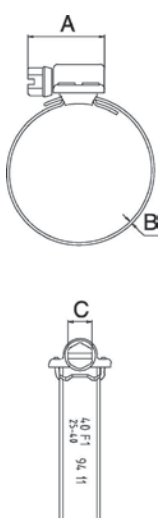
SOLID-BAND WORM-DRIVE CLAMPS

Square thread Die-cast band	Stamped one-piece housing	Raised edges	Extremely tight clamp	Diameter Wide range	Construction High-quality carbon steel	Shockproof
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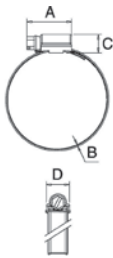
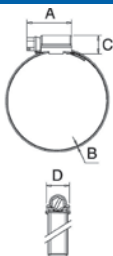
		A	B	Diameter Min/Max. mm	Band width mm	Extremely tight clamp Nm	Packing Box quantity	REFERENCE
Clamps - Standard 9 mm band								
		20	0.8	08 - 14	9	2.5 - 3.5	100	PBS9 814
		20	0.8	11 - 17	9	2.5 - 3.5	100	PBS9 1117
		20	0.8	13 - 20	9	3 - 4	100	PBS9 1320
		24	0.8	15 - 24	9	3 - 4	50	PBS9 1524
		24	0.8	19 - 28	9	3 - 4	50	PBS9 1928
		24	0.8	22 -32	9	3 - 4	50	PBS9 2232
		24	0.8	26 - 38	9	4 - 4.5	25	PBS9 2638
		29	0.8	32 - 44	9	4 - 4.5	25	PBS9 3244
		29	0.8	38 - 50	9	4 - 4.5	25	PBS9 3850
		29	0.8	44 - 56	9	4 - 4.5	25	PBS9 4456
		32	0.8	50 - 65	9	4 - 4.5	25	PBS9 5065
Clamps - Standard 12 mm band								
		22	0.8	15 - 24	12	4 - 4.5	50	PBS12 1524
		23	0.8	19 - 28	12	4 - 4.5	50	PBS12 1928
		25	0.8	22 - 32	12	4 - 4.5	50	PBS12 2232
		25	0.8	26 - 38	12	4 - 4.5	25	PBS12 2638
		29	1	32 - 44	12	5 - 6	25	PBS12 3244
		29	1	38 - 50	12	5 - 6	25	PBS12 3850
		29	1	44 - 56	12	5 - 6	25	PBS12 4456
		32	1	50 - 65	12	5 - 6	25	PBS12 5065
		32	1	58 - 75	12	5 - 6	25	PBS12 5875
		32	1	68 - 85	12	5 - 6	10	PBS12 6885
		32	1	77 - 95	12	5 - 6	10	PBS12 7795
		32	1	87 - 112	12	5 - 6	10	PBS12 87112
		32	1	106 - 138	12	5 - 6	10	PBS12 104138
		32	1	132 - 165	12	5 - 6	10	PBS12 130165
		32	1	150 -180	12	5 - 6	10	PBS12 150180
		32	1	175 - 205	12	5 - 6	10	PBS12 175205
		32	1	200 - 231	12	5 - 6	10	PBS12 200231
		32	1	226 - 256	12	5 - 6	10	PBS12 226256
		32	1	251 - 282	12	5 - 6	10	PBS12 251282
		32	1	277 - 307	12	5 - 6	10	PBS12 277307

SOLID-BAND WORM-DRIVE CLAMPS

Square thread Die-cast band	Stamped one-piece housing	Raised edges	Extremely tight clamp	Construction Stainless steel	Broad range	Fluid aggressive environments
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		A	B	Diameter Min/Max.mm	Band width mm	Extremely tight clamp Nm	Packing	REFERENCE
Clamps - 304 stainless steel 12 mm band								
		20	0.8	08 - 14	9	2.5 - 3.5	100	PBI9 814
		20	0.8	11 - 17	9	2.5 - 3.5	100	PBI9 1117
		20	0.8	13 - 20	9	3 - 4	100	PBI9 1320
		22	0.8	15 - 24	12	4 - 4.5	50	PBI12 1524
		23	0.8	19 - 28	12	4 - 4.5	50	PBI12 1928
		25	0.8	22 - 32	12	4 - 4.5	50	PBI12 2232
		25	0.8	26 - 38	12	4 - 4.5	25	PBI12 2638
		29	0.8	32 - 44	12	5 - 6	25	PBI12 3244
		29	0.8	38 - 50	12	5 - 6	25	PBI12 3850
		29	0.8	44 - 56	12	5 - 6	25	PBI12 4456
		32	0.8	50 - 65	12	5 - 6	25	PBI12 5065
		32	0.8	58 - 75	12	5 - 6	25	PBI12 5875
		32	0.8	68 - 85	12	5 - 6	10	PBI12 6885
		32	0.8	77 - 95	12	5 - 6	10	PBI12 7795
		32	0.8	87 - 112	12	5 - 6	10	PBI12 87112
		32	0.8	106 - 138	12	5 - 6	10	PBI12 104138
		32	0.8	132 - 165	12	5 - 6	10	PBI12 130165
		32	0.8	150 - 180	12	5 - 6	10	PBI12 150180
		32	0.8	175 - 205	12	5 - 6	10	PBI12 175205
		32	0.8	200 - 231	12	5 - 6	10	PBI12 200231
		32	0.8	226 - 256	12	5 - 6	10	PBI12 226256
		32	0.8	251 - 282	12	5 - 6	10	PBI12 251282
		32	0.8	277 - 307	12	5 - 6	10	PBI12 277307
Clamps - 316 stainless steel - Marine grade - 12 mm band								
		20	0.8	08 - 14	9	2,5 - 3,5	100	PBX9 814
		20	0.8	11 - 17	9	2.5 - 3.5	100	PBX9 1117
		20	0.8	13 - 20	9	3 - 4	100	PBX9 1320
		23	0.8	15 - 24	12	2,5 - 3,5	50	PBX12 1524
		23	0.8	19 - 28	12	2,5 - 3,5	50	PBX12 1928
		23	0.8	22 - 32	12	2,5 - 3,5	50	PBX12 2232
		23	0.8	26 - 38	12	3,5 - 4,5	25	PBX12 2638
		23	0.8	32 - 44	12	3,5 - 4,5	25	PBX12 3244
		23	0.8	38 - 50	12	3,5 - 4,5	25	PBX12 3850
		31	0.8	44 - 56	12	5 - 6	25	PBX12 4456
		31	0.8	50 - 65	12	5 - 6	25	PBX12 5065
		31	0.8	58 - 75	12	5 - 6	25	PBX12 5875
		31	0.8	68 - 85	12	5 - 6	10	PBX12 6885
		31	0.8	77 - 95	12	5 - 6	10	PBX12 7795
		31	0.8	87 - 112	12	5 - 6	10	PBX12 87112
		31	0.8	106 - 138	12	5 - 6	10	PBX12 104138
		31	0.8	132 - 165	12	5 - 6	10	PBX12 130165
		32	0.8	150 - 180	12	5 - 6	10	PBX12 150180
		32	0.8	175 - 205	12	5 - 6	10	PBX12 175205
		32	0.8	200 - 231	12	5 - 6	10	PBX12 200231
		32	0.8	226 - 256	12	5 - 6	10	PBX12 226256
		32	0.8	251 - 282	12	5 - 6	10	PBX12 251282
		32	0.8	277 - 307	12	5 - 6	10	PBX12 277307

STANDARD WORM-DRIVE CLAMPS

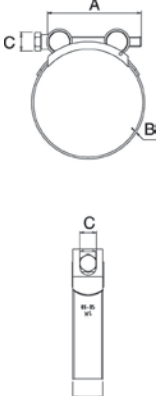
Flexible		Raised edges				Construction Electrogalvanised steel		Broad range		
		A	B	C	D	Diameter Min/max mm	Band width mm	Extremely tight clamp Nm	Packing Box quantity	REFERENCE
Split clamp 8 mm band										
		18	0.7	8.7	12	10 - 18	8	3	100	PBJ9 1016
		18	0.7	8.7	12	14 - 24	8	3	100	PBJ9 1222
		18	0.7	8.7	12	18 - 28	8	3	50	PBJ9 1627
		18	0.7	8.7	12	24 - 36	8	3	50	PBJ9 2335
		18	0.7	8.7	12	25 - 45	8	3	25	PBJ9 3045
		18	0.7	8.7	12	32 - 52	8	3	25	PBJ9 3250
		18	0.7	8.7	12	47 - 67	8	4	25	PBJ9 5070
		18	0.7	8.7	12	77 - 97	8	4	10	PBJ9 7090
Split clamp 12 mm band										
		28.7	0.8	11.1	15	16 - 27	12	5	50	PBJ12 1627
		28.7	0.8	11.1	15	23 - 35	12	5	50	PBJ12 2335
		28.7	0.8	11.1	15	30 - 45	12	5	25	PBJ12 3045
		28.7	0.8	11.1	15	50 - 70	12	7	25	PBJ12 5070
		28.7	0.8	11.1	15	70 - 90	12	7	10	PBJ12 7090
		28.7	0.8	11.1	15	90 - 110	12	7	10	PBJ12 90110
		28.7	0.8	11.1	15	110 - 130	12	7	10	PBJ12 110130

MINI AND MICRO TYPE CLAMPS

Band width Mini: 9 mm Micro: 5 mm	Raised edges	Extremely tight clamp Clamps for small diameter hoses		Attachment : Screw + nut attachment	Clamping Thin-walled hoses	Construction Electrogalvanised steel	
		A	Diameter Min./Max. Diameter	Extremely tight clamp Nm	Packing Box quantity	Band width mm	REFERENCE
Mini type (electrogalvanised steel) - Band width: 9 mm							
		0.5	6 x 8	1.5	100	9	PBM 8
		0.5	7 x 9	1.5	100	9	PBM 9
		0.5	8 x 10	1.5	100	9	PBM 10
		0.5	9 x 11	1.5	100	9	PBM 11
		0.5	9 x 12	1.5	100	9	PBM 12
		0.5	10 x 13	1.5	100	9	PBM 13
		0.5	11 x 14	1.5	100	9	PBM 14
		0.5	12 x 15	1.5	100	9	PBM 15
		0.5	13 x 16	1.5	100	9	PBM 16
		0.5	14 x 17	1.5	100	9	PBM 17
Micro type (electrogalvanised steel) - Band width: 5 mm							
			7 x 11	0.5 - 0.7	50	5	PBP 711
			11 x 19	0.5 - 0.7	100	5	PBP 1119

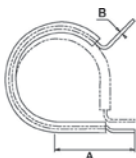
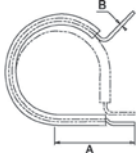
HEAVY DUTY CLAMPS

Difficult applications Clamp for severe-difficult applications	Raised edges	Extremely tight clamp Ultra-high torque	Attachment : Screw + nut attachment	Construction Screw High quality carbon steel	Broad range	Construction AISI 430 stainless steel housing and band
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		A	B	Diameter Min/ Max mm	Band width mm	Extremely tight clamp Nm	Attachment : Screw + nut attachment	Packing	Screw (C)	REFERENCE
Heavy duty clamps										
		40	0.6	17 - 19	18 mm	8	M6 x 40	10	8	PBR 1719
		40	0.6	19 - 21	18 mm	8	M6 x 40	10	8	PBR 1921
		40	0.6	21 - 23	18 mm	8	M6 x 40	10	8	PBR 2123
		40	0.6	23 - 25	18 mm	12	M6 x 40	10	8	PBR 2325
		40	0.6	25 - 27	18 mm	12	M6 x 40	10	8	PBR 2527
		40	0.6	27 - 29	18 mm	12	M6 x 40	10	8	PBR 2729
		40	0.6	29 - 31	18 mm	12	M6 x 40	10	8	PBR 2931
		40	0.6	31 - 34	18 mm	12	M6 x 40	10	8	PBR 3134
		40	0.6	34 - 37	18 mm	12	M6 x 40	10	8	PBR 3437
		40	0.6	37 - 40	18 mm	12	M6 x 40	10	8	PBR 3740
		40	0.6	40 - 43	18 mm	12	M6 x 40	10	8	PBR 4043
		45	0.8	43 - 47	20 mm	23	M7 x 55	10	CHC 5	PBR 4347
		45	0.8	47 - 51	20 mm	23	M7 x 55	10	CHC 5	PBR 4751
		45	0.8	51 - 55	20 mm	23	M7 x 55	10	CHC 5	PBR 5155
		45	0.8	55 - 59	20 mm	23	M7 x 55	10	CHC 5	PBR 5559
		45	0.8	59 - 63	20 mm	23	M7 x 55	10	CHC 5	PBR 5963
		45	0.8	63 - 68	20 mm	23	M7 x 55	10	CHC 5	PBR 6368
		45	0.8	68 - 73	20mm	23	M7 x 45	10	CHC 5	PBR 6873
		45	0.8	79 - 79	20 mm	23	M7 x 55	10	CHC 5	PBR 7379
		45	0.8	79 - 85	20 mm	23	M7 x 55	10	CHC 5	PBR 7985
		45	0.8	85 - 91	20 mm	23	M7 x 55	10	CHC 5	PBR 8591
		55	0.8	91 - 97	20 mm	23	M7 x 55	10	CHC 5	PBR 9197
		55	0.8	97 - 104	20 mm	23	M7 x 55	10	CHC 5	PBR 97104
		55	0.8	104 - 111	20 mm	23	M7 x 55	10	CHC 5	PBR 104111
		55	0.8	111 - 118	20 mm	23	M7 x 55	10	CHC 5	PBR 111118
		55	0.8	118 - 125	20 mm	23	M7 x 55	10	CHC 5	PBR 118125
		55	0.8	125 - 132	20 mm	23	M7 x 55	10	CHC 5	PBR 125132
		55	0.8	132 - 139	20 mm	23	M7 x 55	10	CHC 5	PBR 132139
		55	0.8	139 - 146	20 mm	23	M7 x 55	10	CHC 5	PBR 139146
		55	0.8	146 - 153	20 mm	23	M7 x 55	10	CHC 5	PBR 146153
		55	0.8	153 - 160	20 mm	23	M7 x 55	10	CHC 5	PBR 153160
		55	0.8	160 - 167	20 mm	23	M7 x 55	10	CHC 5	PBR 160167
		55	0.8	167 - 174	20 mm	36	M7 x 55	10	CHC 5	PBR 167174
		80	1	174 - 187	30 mm	36	M10x80	10	17	PBR 174187
		80	1	187 - 200	30 mm	36	M10x80	10	17	PBR 187200
		80	1	200 - 213	30 mm	36	M10x80	10	17	PBR 200213
		80	1	213 - 226	30 mm	36	M10x80	10	17	PBR 213226
		80	1	226 - 239	30 mm	36	M10x80	10	17	PBR 226239
		80	1	239 - 252	30 mm	36	M10x80	10	17	PBR 239252

RUBBER-LINED CLAMPS

Rubber lining	Eliminates vibrations	Attachment : Screw + nut attachment	Construction EPDM rubber	Broad range	Construction Galvanised steel band
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		A	B	Diameter	Band width mm	Attachment : Screw + nut attachment	Packing	REFERENCE
Clamps with rubber lining and 12 mm band								
		1.5	10.5	6	12	M5	50	PBC 126
		1.5	12	8	12	M5	50	PBC 128
		1.5	13	10	12	M5	50	PBC 1210
		1.5	14	12	12	M5	50	PBC 1212
		1.5	15.5	15	12	M5	50	PBC 1215
		1.5	18	20	12	M5	50	PBC 1220
		1.5	19	22	12	M5	50	PBC 1222
		1.5	20.5	25	12	M5	50	PBC 1225
Clamps with rubber lining and 15 mm band								
		1.8	13.7	6	15	M6	50	PBC 156
		1.8	15.2	8	15	M6	50	PBC 158
		1.8	16.2	10	15	M6	50	PBC 1510
		1.8	17.2	12	15	M6	50	PBC 1512
		1.8	18.7	15	15	M6	50	PBC 1515
		1.8	21.2	20	15	M6	50	PBC 1520
		1.8	22.2	22	15	M6	50	PBC 1522
		1.8	23.7	25	15	M6	50	PBC 1525
		1.8	25.2	28	15	M6	50	PBC 1528
		1.8	26.2	30	15	M6	50	PBC 1530
		1.8	27.2	32	15	M6	50	PBC 1532
		1.8	28.7	35	15	M6	50	PBC 1535
		1.8	30.2	38	15	M6	50	PBC 1538
		1.8	31.2	40	15	M6	50	PBC 1540

GALVANIZED DOUBLE WIRE CLAMPS

Cost-effective	Simple solution	Construction Galvanised steel
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		A	B	Diameter Min/Max mm	Number of Ø 4 mm screws	Packing	Dimensions of the head of the screw in mm	REFERENCE
Galvanised double wire clamps								
		28.5	13	13 - 16	1	50	8	PF 1316
		28.5	13	15 - 21	1	50	8	PF 1521
		28.5	13	20 - 23	1	50	8	PF 2023
		33.5	13	22 - 25	1	50	8	PF 2225
		33.5	13	24 - 27	1	50	8	PF 2427
		33.5	13	27 - 31	1	50	8	PF 2731
		33.5	13	31 - 35	1	50	8	PF 3135
		43.5	13	35 - 40	1	50	8	PF 3540
		43.5	13	38 - 43	1	50	8	PF 3843
		43.5	13	43 - 48	1	50	8	PF 4348
		43.5	13	45 - 50	1	50	8	PF 4550
		43.5	13	49 - 55	1	50	8	PF 4955
		43.5	13	54 - 60	1	50	8	PF 5460
		43.5	13	59 - 65	1	50	8	PF 5965
		43.5	13	64 - 70	1	25	8	PF 6470
		43.5	13	69 - 75	1	25	8	PF 6975
		43.5	13	73 - 80	1	25	8	PF 7380
		43.5	13	78 - 85	1	25	8	PF 7885

WORM-DRIVE CLAMP ACCESSORIES

Sealing		Extremely tight clamp	Visually attractive
		DESCRIPTION	REFERENCE
Metal worm-drive clamp displays			
		Display with: 244 worm-drive clamps : - 100 mini type PBM and 144 standard PBS - 1 flexible worm driver	DEPANNE 244
		Display with: 400 worm-drive clamps : - 90 mini type PBM and 300 standard PBS - 1 flexible worm driver	DEPANNE 400
Assortment boxes			
		Metal case with: 133 worm-drive clamps : - 80 mini type PBM and 53 standard PBS - 1 flexible worm driver	PRATIC 135
		Blue composite case with: 270 worm-drive clamps PBS 1 flexible worm driver	PRATIC 300
		Adjustable compartment polypropylene case with : 195 standards worm-drive clamps	PBJ 195
		Case with: 150 worm-drive clamps for OD hoses 8 to 32 mm	PBS 150
Banding kit			
		Kit including : Band and housings	
		Band length No. housings Band width	
		3 m 8 9	PBK 93
		5 m 8 9	PBK 95
		25 m 0 9	PBK 925
		3 m 6 12	PBK 123
		5 m 6 12	PBK 125
		25 m 0 12	PBK 1225
Hinged housing			
		100 housings for 9 mm band width	PBK 09
		100 housings for 12 mm band width	PBK 12
Flexible worm driver			
		Flexible worm driver (hex-head socket)	PB 3000

blow guns

PROGRESSIVE AND ERGONOMIC BLOWGUNS

SUITABLE FOR A WIDE RANGE OF REQUIREMENTS

- ▶ Composite anti-scratch body material
- ▶ 5 jet types



**CUSTOMISABLE BODY
COLOUR ***

* consult us



TECHNOLOGIE MATERIAL

Robust, anti-scratch, isolating, antislip.
High technology composite material.

CONNECTION

Inlet connection with brass insert:
completely safe and airtight connections.



EASY TO HANDLE

The ergonomic blowgun matches hand morphology perfectly.

GRIP

Two safe, practical hanging systems.



PROTECTED MECHANISM

Design sealed against any external intrusions which might block the mechanism.

DESIGN

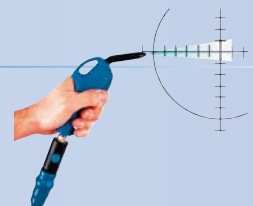
Smooth shape avoiding build-up of dust and filings on the blowgun body and trigger.

USE

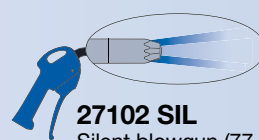
Smooth trigger action enables flow rate to be precisely adjusted and compressed air circuit to open progressively.

JET

Directional jet. The blowing angle and natural orientation of the air jet ensure accurate work.



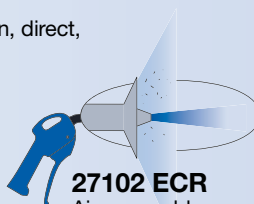
27102 PRE
Standard blowgun, direct,
concentrated jet



27102 SIL
Silent blowgun (77 dB) limits
noise in workshop



27102 MTL
Blowgun with long tapered
metal nozzle

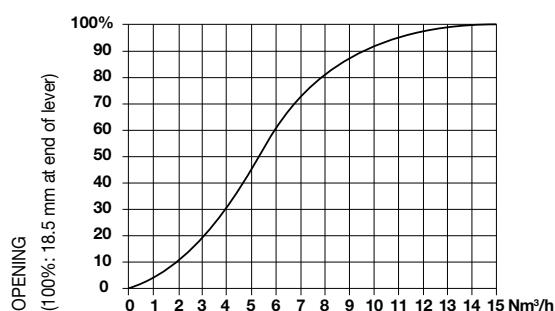


27102 ECR
Air screen blowgun, protects
against dust and chippings



27102 OSH
Blowgun complying with
OSHA directive 1910.242B:
outlet pressure limited to 28 PSI
(1.93 bar)

Pneumatic flow rate at 6 bar for 27102 PRE

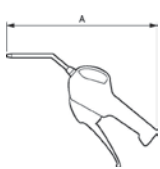
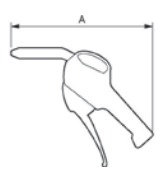
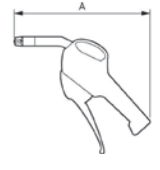
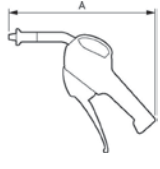
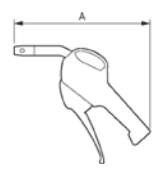
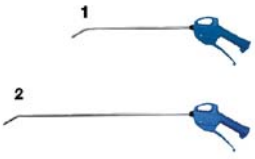
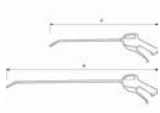


TECHNICAL CHARACTERISTICS

- > Maximum service pressure10 bar
- > Temperature-15 to +70°C
- > Thread G 1/4 female
- > Weight 110 g
- > Fluid air

27102 BLOW GUNS

Fluid Air	Brass insert G 1/4 - F	Weight 110 g	Adjust gradually Blowing	Pressure P.N.10 bar	Temperature -15°C +70°C	Construction Composite	Scratch resistant	High mechanical resistance
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		A	DESCRIPTION	REFERENCE
Blow gun with metal nozzle				
			Flow: 23 Nm3/h under 6 bar Sound level: 83 dB	
		200	Diam. 3 x 6 mm steel nozzle 110 mm bent tube	27102 MTL
		-	Option : blow gun with flow limiter At 6 bar inlet, the air jet is equivalent to the one of a standard blow gun with a 3 bar inlet.	27102 MTLBP3
Blow gun with composite nozzle				
			Flow: 15 Nm3/h under 6 bar Sound level: 84 dB	
		166	Diam. 2 x 12 mm composite nozzle 59 mm bent tube	27102 PRE
		-	Option : blow gun with flow limiter At 6 bar inlet, the air jet is equivalent to the one of a standard blow gun with a 3 bar inlet.	27102 PREBP3
Blow gun with silent nozzle				
			Sound level: 77 dB	
		163	Composite nozzle lowers noise levels 56 mm bent tube Complies with OSHA requirements	27102 SIL
Blow gun with protective air curtain				
			Blowgun with protection screen Sound level: 82 dB	
		168	Composite blow gun with protective air curtain 61 mm, bent tube, Diam.20mm shield	27102 ECR
Blow gun (OSHA & Venturi effect)				
			Flow: 13 Nm3/h under 6 bar Sound level: 90 dB	
		176	Composite nozzle 69 mm bent tube Complies with OSHA requirements 6 bar dynamic pressure (12 bar 10 mm from nozzle)	27102 OSH
Blow gun long nozzle				
			Steel Nozzle	
		300	G 1/4 female 330 mm bent tube	27102 MB13
		460	G 1/4 female 500 mm bent tube	27102 MB20
All-purpose blow gun body				
		120	G 1/8 tapped body accomodates different types of nozzle	27102 F18
		-	Long malleable copper nozzle G 1/8 thread, 1000 mm length	27102 BL10

27102 BLOWS GUNS FITTED WITH PLUG

Fluid Air	Brass insert 1/4	Weight 110 gr	Adjust gradually Blowing	Pressure P.N. 10 bar	Temperature -15 to +70°C	Construction Composite	Scratch resistant	High mechanical resistance	Profile 7,2mm -7,4mm
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		DESCRIPTION	REFERENCE
Blow gun with metal nozzle			
		Flow: 23 Nm³/h under 6 bar Sound level: 83 dB	
		British profile - ID 6 mm	27102 MT6B
		European profile - ID 7,2-7,4 mm	27102 MT7E
		ISO B Profile - ID 6 mm	27102 MT6I
Blow gun with composite nozzle			
		Flow: 15 Nm³/h under 6 bar Sound level: 84 dB	
		British profile - ID 6 mm	27102 PR6B
		European profile - ID 7,2-7,4 mm	27102 PR7E
		ISO B Profile - ID 6 mm	27102 PR6I
Blow gun with silent nozzle			
		Sound level: 77 dB	
		British profile - ID 6 mm	27102 SI6B
		European profile - ID 7,2-7,4 mm	27102 SI7E
		ISO B Profile - ID 6 mm	27102 SI6I
Blow gun with protective air curtain			
		Blowgun with protection screen Sound level: 82 dB	
		British profile - ID 6 mm	27102 EC6B
		European profile - ID 7,2-7,4 mm	27102 EC7E
		ISO B Profile - ID 6 mm	27102 EC6I
Blow gun (OSHA & Venturi effect)			
		Flow: 13 Nm³/h under 6 bar Sound level: 90 dB	
		British profile - ID 6 mm	27102 OS6B
		European profile - ID 7,2-7,4 mm	27102 OS7E
		ISO B Profile - ID 6 mm	27102 OS6I

blowguns

BLOWGUNS, INFLATORS AND CLEANING ACCESSORIES

THE RIGHT TOOLS FOR EFFECTIVE WORK

BLOWGUNS

FORCE 3



- Small pocket blowgun, extremely lightweight, clips directly to a quick coupling (ISO 6150 series B profile)
- Straight blown air stream with protective air shield

STI



- Pen-type pocket blowgun, aluminium, 24 g, clips directly to a quick coupling (ISO 6150 series B profile)
- Knurled ring for adjustable jet

SDA



- Deformation blowgun, anti-scratch, clips directly to a quick coupling (ISO 6150 series B profile)

STYL'AIR



- Metal air screen blowgun, angled nozzle
- Three interchangeable nozzles of different lengths

VENT'AIR

- Pistol-shaped metal blowgun
- Four blower types
- Six interchangeable nozzles



BLOWING ASSEMBLIES

Blowguns ready for use, fitted with spiral supply hose. Assemblies supplied fitted and sealed.

INFLATION / CLEANING

TYRE INFLATION GUNS

- CE calibrated for light vehicles and heavy goods vehicles

Two models:

- Inflation pressure adjustment knob
- Inflation pressure adjustment buttons + and -

AIR AND WATER WASHING SPRAY GUN

- For washing and rinsing

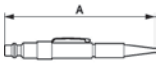
PNEUMATIC VACUUM CLEANER

- With accessories
- For removing dust, chippings, manufacturing residues, as close as possible to tools



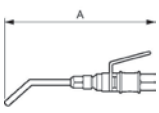
POCKET BLOW GUNS

Flow rate 250 l/min	Clip-on	Weight 24 g	Pressure P.N. 10 bar	Construction Aluminium
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		A	DESCRIPTION	REFERENCE
Pocket blow guns				
		113	7,2 European profile	STE
		115	ISO 6150 B profile Ø 6 mm	STI
		113	ARO 210 profile	STA
		113	Truflate profile	STU

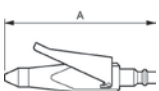
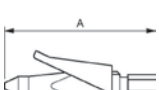
STYL'AIR BLOW GUNS

Nozzles interchangeable	Flow rate 330 l/min - 6 bar	Noise 80 db	Adjust gradually Blowing	Weight 140 g	Pressure Max.10 bar	Female thread G 1/4	Construction Nickel-plated steel	Safety Air shield
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		A	DESCRIPTION	REFERENCE
Metal safety blow gun				
		152	With 90 mm bent nozzle and air shield	STL 101
Bent nozzles for STYL'AIR blow guns				
			90 mm	STL 151
			200 mm	STL 152
			290 mm	STL 153

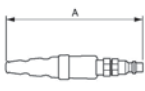
FORCE 3 BLOW GUNS

Flow rate 300 l/min - 6 bar	Clip-on	Noise 80 db	Weight 85 g	Pressure P.N. 16 bar	Construction Aluminium	Safety Air shield
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		A	DESCRIPTION	REFERENCE
Clip-on blow gun with ISO 6150 B adaptor				
		104	Blow gun to use with couplers ISI 06 - IRC 06 - IRM 06 (ISO B profile)	FORCE 3
Female threaded blow gun				
		99	G 1/4 Gas female inlet	FORCE 3F14

NON-SCRATCH BLOW GUN

Clip-on	Weight 100 g	Construction Rubber	Scratch resistant	Pressure 0 - 16 bar
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		A	DESCRIPTION	REFERENCE
Non-scratch blow gun				
			Connection on :	
		123	ESI 07 - ERC 07 - 7,2 European profile	SDA 7E
		128	ISI 06 - IRC 06 - IRM 06 - profile ISO 6150 B	SDA 6I
		133	CSC 06 - CSM 06 - CRC 06 - ISO 6150 C profile	SDA 6C
		128	ASC 06 - ARC 06 - Aro 210 profile	SDA 6A

VENT'AIR BLOW GUNS

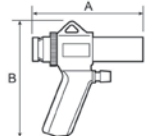
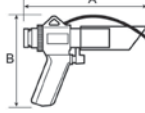
Flow rate 300 l/min - 6 bar	Pressure Max.6 bar	Temperature -10°C +80°C	Female thread G 1/4 BSP Gas female inlet	Construction Aluminium body Metal trigger	Shockproof	Construction Brass valve Stainless steel spring	Ergonomic
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		A	B	C	DESCRIPTION	REFERENCE
Blow gun with short nozzle						
		136			Metal blow gun	27104
		-			Short replacement nozzle (14 x 100 mm thread)	27104BUSE1
Blow gun with medium nozzle (150 mm long)						
		266			Metal blow gun	27105
		-			Medium replacement nozzle (14 x 100 mm thread)	27105BUSE1
Blow gun with extra long nozzle (300 mm)						
		416			Metal blow gun	27106
		-			Long replacement nozzle (14 x 100 mm thread)	27106BUSE1

VENT'AIR BLOW GUNS

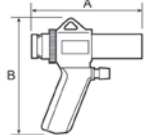
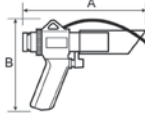
Flow rate 300 l/min - 6 bar	Pressure Max.6 bar	Temperature -10°C +80°C	Female thread G 1/4 BSP Gas female inlet	Construction Aluminium body Metal trigger	Shockproof	Construction Brass valve Stainless steel spring	Ergonomic
		A	B	C	DESCRIPTION		REFERENCE
Versatile nozzles for Vent'air blow guns: 27105 - 27106							
		54	14	-	Venturi nozzle		AVB 101
		39	13	-	2 bar max.safety nozzle (OSHA)		AVB 102
		31	25	-	Safety nozzle with air shield		AVB 103
		31	-	-	Non-scratch nozzle		AVB 104
		40	-	-	Silent directional nozzle (OSHA)		AVB 105
		54	14	3100	3 m vaccum nozzle with filter		AVB 106
High-pressure blow gun							
		186			Metal blow gun with Venturi nozzle 450 l/min. flow rate at 6 bar		27113

"ASPIVENT" VACUUM CLEANERS

Suction 80 mm mercury vacuum @ 6 bar	Flow rate 420 l/min / 6 bar	Threaded inlet G 1/4 female	Pressure P.N.7 bar	Ease of use	Shockproof	Safety Dust recovery system
		A	B	DESCRIPTION		REFERENCE
Air vac						
				Includes: - Reusable 4-litres cloth dust bag - ASV 301 - Aspivent air vac - ASV 100 - Crevice tool ASV 305		ASV 1
Vacuum for hard-to-reach areas						
				Includes: - Reusable 4-litres cloth dust bag - ASV 301 - Aspivent air vac for deep areas - ASV 200		ASV 2

"ASPIVENT" VACUUM CLEANERS

Suction 80 mm mercury vacuum @ 6 bar	Flow rate 420 l/min / 6 bar	Threaded inlet G 1/4 female	Pressure P.N.7 bar	Ease of use	Shockproof	Safety Dust recovery system
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		A	B	DESCRIPTION	REFERENCE
Air-operated vacuum gun					
		140	145	Suck up dust in work areas. (Use with dust bag or bucket)	ASV 100
Wet/dry air-operated vacuum gun for hard-to-reach areas					
		220	145	Sucks up dust and liquids in deep recesses.(Uses with dust bag or bucket).	ASV 200
Accessories					
				Cloth dust bag 4 litres	ASV 301
				Suction nozzle	ASV 302
				Black polyethylene exhaust hose ID 28 mm - Length 6m	ASV 303
				Extension wand - Length 400 mm	ASV 304
				Crevice tool	ASV 305
				Round brush attachment with nylon bristles	ASV 306
				Hose adaptor	ASV 308
				Bucket for large dust particles 20 litres (can be used without ASV 309)	ASV 307
				ASV dust filter Fits on 60-litre dust buckets	ASV 309

BLOW GUN KITS

Pressure PN 8 bar		Flexible		Airtight Sealed			Ergonomic in use		
		Construction	With joiner	Length	With adaptor	With blower	Diameter ID/OD mm	With coupling	REFERENCE
Blow gun blister packs with STL 101 and standard quick coupling									
			JPC 1408		IRP 06	STL 101		IRC 061101	ERK 1
Blow gun blister packs with STL 101 and safety quick coupling									
			JPC 1408		IRP 066151	STL 101		ISI 061101	ERK 1IS
			JPC 1408		BRP 066151	STL 101		BSC 061101	ERK 1B
Blow gun blister packs with STL 101 and safety quick coupling									
			JPC 1408		ERP 076151	STL101		ESI 071101	ERK 1ES
Blow gun pack with 27102 MTL and standard quick coupling									
			JPC 1408		IRP 066151	27102 MTL		IRC 061101	ERK 2
			JPC 1408		ERP 076151	27102 MTL		ERC 071101	ERK 2ERC
Blow gun pack with 27102 MTL and safety coupling									
			JPC 1408		ERP 076151	27102 MTL		ESI 071101	ERK 2ES
			JPC 1408		BRP 066151	27102 MTL		BSC 061101	ERK 2B
Blow gun pack with coiled hose and standard quick coupling									
		Polyurethane		2	IRP 066151+ 066101	27102 MTL	5 x 8	IRC 061101	ERK 3
		Polyurethane		2	ERP 076151+ 076101	27102 MTL	5 x 8	ERC 061101	ERK 3ERC
Blow gun pack with coiled hose and safety quick coupling									
		Polyurethane		2	IRP 066151+ 066101	27102 MTL	5 x 8	ISI 061101	ERK 3IS
		Polyurethane		2	BRP 066151+ 066101	27102 MTL	5 x 8	BSC 061101	ERK 3B
Blow gun pack with 27102 MTL and safety quick coupling									
		Polyurethane		2	ERP 071151+ 076101	27102 MTL	5 x 8	ESI 071101	ERK 3ES

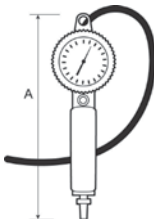
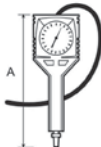
BLOW GUN KITS

Pressure PN 8 bar		Flexible		Airtight Sealed			Ergonomic in use		
		Construction	With joiner	Length	With adaptor	With blower	Diameter ID/OD mm	With coupling	REFERENCE
Blow gun kit with malleable nozzle, spiral hose and safety quick coupling									
		Polyurethane		2	ERP 076101	SDA 7E	5 x 8	ESI 071101	ERK 3NSES
		Polyurethane		2	BRP 066101	SDA 6B	5 x 8	BSC 061101	ERK 3NSB
Blow gun kit with distortion nozzle									
		Polyurethane		4		Distorts gradually	4 x 6		HELICOL 4
Blow gun kit with STL 101, spiral hose and standard quick coupling									
		Polyurethane		2	IRP 066151+ 066101	STL 101	5 x 8	IRC 061101	HELICOL 8
Blow gun kit with Force 3, spiral hose and metal standard quick coupling									
		Polyurethane		4.5	IRP 066101	FORCE 3	6.5 x 8	IRM 061101	HELICOL 1
Blow gun kit with Force 3, spiral hose and metal standard quick coupling									
		Polyurethane		2	IRP 066101	FORCE 3	5 x 8	IRM 061101	HELICOL 2
Blow gun kit with coupling									
		Polyamide		5		27102 MTL	6.5 x 8	Fixed	HELICOL 3

BLOW GUN KITS

Pressure PN 8 bar		Flexible		Airtight Sealed			Ergonomic in use		
		Construction	With joiner	Length	With adaptor	With blower	Diameter ID/OD mm	With coupling	REFERENCE
Polyurethane blower kit									
		Polyurethane		2		27102 MTL	5 x 8	Fixed	HELICOL 6
		Polyurethane		4		27102 MTL	5 x 8	Fixed	HELICOL 7
Blow gun safety quick coupling and 2 quick release adaptors									
		Includes : 1 polyurethane recoil - 1 coupling - 2 adaptors - 1 blow gun 27102 MTL							
		Polyurethane		2	IRP 066101+ 066151	27102 MTL	5 x 8	ISI 061101	PUS 52BIS
		Polyurethane		4	IRP 066151+ 066101	27102 MTL	5 x 8	ISI 061101	PUS 54BIS
		Polyurethane		4	ERP 076101+ 076151	27102 MTL	5 x 8	ESI 071101	PUS 54BES
		Polyurethane		4	BRP 066101+ 066151	27102 MTL	5 x 8	BSI 061101	PUS 54BBS
		Polyurethane		4	IRP 066151+ 066101	27102 MTL	6.5 x 10	ISI 061101	PUS 64BIS
		Polyurethane		6	IRP 066151+ 066101	27102 MTL	6.5 x 10	ISI 061101	PUS 66BIS
		Polyurethane		6	ERP 076101+ 076151	27102 MTL	6,5 x 10	ESI 071101	PUS 66BES
		Polyurethane		6	BRP 066101+ 066151	27102 MTL	6,5 x 10	BSI 061101	PUS 66BBS
		Polyurethane		8	IRP 066151+ 066101	27102 MTL	6.5 x 10	ISI 061101	PUS 68BIS
		Polyurethane		8	ERP 076101+ 076151	27102 MTL	6,5 x 10	ESI 071101	PUS 68BES
		Polyurethane		8	BRP 066101+ 066151	27102 MTL	6,5 x 10	BSI 061101	PUS 68BBS

TYRE INFLATORS

Accuracy Easy to read		Shockproof Scratch-resistant		Ergonomic Easy to handle		Length L = 1,50 m		
		A	DESCRIPTION				REFERENCE	
Eurodainu model								
			CE Certificate of compliance					
		240	Control handle Cars, motorcycles, lorries Inlet: Female G 1/4 Pressure: 0.7 to 11 bar					27101
Mast'air model								
			CE certificate of compliance + and - controls Cars, motorcycles, lorries					
		290	G 1/4 female inlet Pressure: 0.7 to 12 bar Hose lenght: 1.50 ID/OD hose: 7 x 13 mm Max. pressure inlet: 15 bar Elastomer covering					27201
Parts								
			1.5 m leader hose for tyre inflators Connection: Pas Michelin male					7101T
			1.5 m leader hose for tyre inflators Connection: Pas Michelin female					7200T
			Clip-on conector					101V

washing guns

WASHING SPRAY GUNS FOR WATER CIRCUITS

FOR A WIDE RANGE OF APPLICATIONS

► Industrial applications

Cleaning machines, tanks, floors, walls, in food transformation and packaging units (dairies, slaughterhouses, breweries, pickling plants, etc.) and all industries where frequent washing or spraying is required.

► Automotive applications

Washing bodywork, cleaning chassis, accessories, machinery, etc. in garages, body shops, public works, farms, etc.

► Institutional applications

Washing, cleaning spraying in superstores, restaurants, schools, public buildings, gardens, etc.

► Roadway applications

Washing, spraying public roadways, pavements, pedestrian streets, pools, fountains, public parks, flower beds, etc.





PL JET

INDUSTRIAL WASHING SPRAY GUN

► Adjustable flow rate

Water flow rate adjustment screw at rear, to control flow and reduce consumption.

► Watertight

Simple, secure mechanism. Double seal on needle for total integrity.

► Safety

Guard prevents unintended operation. The body, lever and guard have a polyamide coating for thermal insulation and impact protection.

► Flexibility

The progressive control lever can be used to vary the jet shape from a large conical spray to a powerful, concentrated straight jet.

► Efficiency

The hook holds the lever open for prolonged use. It is released automatically.

► Scratch-resistant

The three bulged ends have rubber coatings to avoid any risk of scratching fragile surfaces.

► Ergonomical

Excellent grip for regular, untiring work.

► Design

The rounded body and handle avoid dirt build-up and allow easier cleaning.



PL JET I

WASHING SPRAY GUN STAINLESS STEEL

► 316 stainless steel

Corrosion-resistant. Recommended for use in the food industry and port areas (salty or harsh environments).

► Easy to handle

Good grip. The hook holds the lever open for prolonged use.

► Security

An arrow indicates the direction of the water jet. An EPDM rubber sleeve provides insulation and protection.

► Adjustable flow rate

► Smooth-action lever

► Watertight

Advantages identical to PL JET model.

COMMON TECHNICAL CHARACTERISTICS PL JET AND PL JET I

- Max. temperature: + 90°C
- Maximum pressure: 24 bar
- Weight: 950 g
- Flow rate: 60 l/min at 20 bar
..... 43 l/min at 10 bar
- Tapping: G 1/2 BSP

WASH GUNS FOR WATER SYSTEMS

Multiple applications	Institutional - Roadway applications	Adjustable water flow rate	Fluid Water	Ergonomic Excellent grip
-----------------------	---	----------------------------	----------------	-----------------------------

		A	B	DESCRIPTION	REFERENCE
Wash gun industrial					
				Wash gun equipped with a roll bar for the trigger Max T.: +90°C Max pressure : 24 bar Weight : 950 g Flow rate : 60 l/min at 20 bar; 43 l/min at 10 bar	
		162	216	Brass gun with polyamide coating Thread : G 1/2	PL JET
316 stainless steel wash gun					
				Wash gun equipped with a roll bar for the trigger Max T.: +90°C Max. Pressure: 24 bar Weight: 950 g Flow rate: 60 l/min at 20 bar 43 l/min at 10 bar	
		159	189	Wash gun with EPDM rubber coating Thread: G 1/2	PL JETI

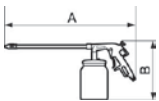
WASH GUNS FOR WATER SYSTEMS

Multiple applications	Institutional - Roadway applications	Adjustable water flow rate	Fluid Water	Ergonomic Excellent grip
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		A	B	DESCRIPTION	REFERENCE
Wash gun PL MIX2 with hose coupling					
				Blister pack containing : Wash gun PL MIX2 Valved hose coupling Ear clamp For hose :	PL JET15
				Ø 15 mm	

CLEANING GUN

Stripping - Cleaning Automotive and industrial applications	Adjust gradually	Pressure 2 - 8 bar	Construction Aluminium bowl Holds 1 l	Ease of use
---	------------------	------------------------------	---	-------------

		A	B	DESCRIPTION	REFERENCE
Spray gun					
		520	225	Spray adjusts at nozzle tip 20 cm nickel-plated nozzle Aluminium bowl - Holds 1 l	27103

paintwork

STANDARD AND HVLP PAINT GUNS AND
WATER-SOLUBLE PAINT DRYING

**A RANGE OF HIGH PRECISION SPRAY GUNS
AND A HIGH-PERFORMANCE
BLOW-DRYING SYSTEM**





PAINT GUNS

► HVLP low-pressure spraying:

Perfect quality finish and high yield

- Excellent paint transfer rate
- Reduced mist
- Save on paint usage
- Precise application

► Standard spraying:

Easy to use for standard applications

- Ordinary industrial or craft use

► Paint feed:

Depending on quantities needed and paint structure

- Suction feed
- Gravity feed

► Choice of spray nozzle:

The nozzle should be selected according to the viscosity of the product to be sprayed (lacquer, varnish, primer, adhesive).

Wide range of nozzles, from 0.5 mm to 2.5 mm depending on spray gun models.

PAINT DRYING

Blow drying of water-based paints

► Advantages:

- Quick evaporation of water in paint
- Faster paint drying time
- Save drying time in paint cabins
- Venturi effect for improved efficiency
- Venturi air filtered by removable stainless steel screen (with retaining ring)
- Spray guns supplied with ball valve to control the air flow

► Drying module:

- Stand adjustable horizontally and vertically to suit the surfaces to be dried
- Stable, lightweight stand
- Easy adjustment of drying gun orientation
- Drying guns supplied via 10 mm anti-static hoses for optimum air flow rate.

► Drying stand module featuring:

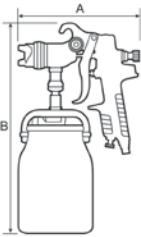
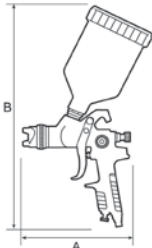
- Two drying guns with shut-off valves
- Two 10 mm anti-static rubber hoses
- Two quick couplings for power supply
- One air inlet adaptor

An upline submicron filter should be used to filter the compressed air.



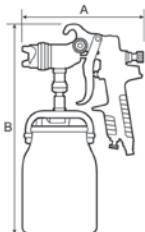
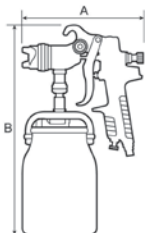
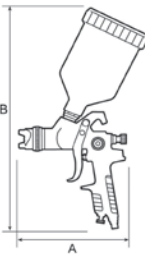
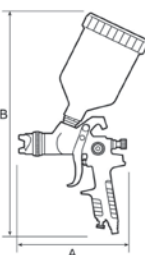
HVLP PAINT SPRAY GUNS

Efficient Excellent material transfer rate	Cost-effective Paint flow control	Easy to adjust	Construction Aluminium	Use Industry and automotive
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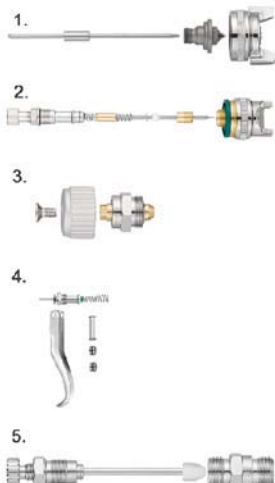
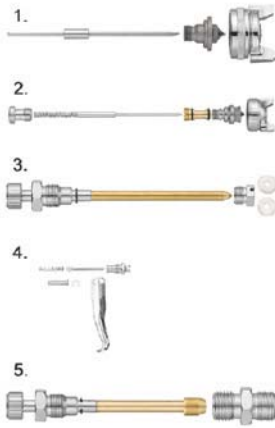
HVLP suction-feed spray gun		A	B	DESCRIPTION	REFERENCE
				Spray pattern control Paint flow rate control Variable air flow Green anodised aluminium body 1-litre anodised aluminium cup Dripless cup with quick-close clamp Stainless steel needle and nozzle Pressure range for an optimum spraying : from 2 to 3 bars Air consumption : 390 l/min under 3 bar Weight: 1,00 kg G 1/4 BSP Gas male connection G 3/8 BSP Gas male cup connection thread	
		16	30	Ø 1,7 mm nozzle	CAR S03HVLP
		16	30	Ø 1 mm nozzle	CAR S031HVLP
		16	30	Ø 1,4 mm nozzle	CAR S032HVLP
		16	30	Ø 2 mm nozzle	CAR S033HVLP
		16	30	Ø 2,3 mm nozzle	CAR S034HVLP
HVLP gravity spray gun					
				Spray pattern control knob Paint flow rate control Variable air flow Stainless steel needle and nozzle Green anodised aluminium body 0,6-litre polyamide cup Pressure range for an optimum spraying : from 2 to 3 bars Air consumption : 364 l/min under 4 bar Weight : 0,7 kg G 1/4 BSP Gas male connection M16 x 1,5 P cup connection thread	
		16	33	Ø 1,4 mm nozzle	CAR G04HVLP
		16	33	Ø 1 mm nozzle	CAR G041HVLP
		16	33	Ø 1,5 mm nozzle	CAR G042HVLP
		16	33	Ø 1,7 mm nozzle	CAR G043HVLP
		16	33	Ø 2 mm nozzle	CAR G044HVLP

PAINT SPRAY GUNS

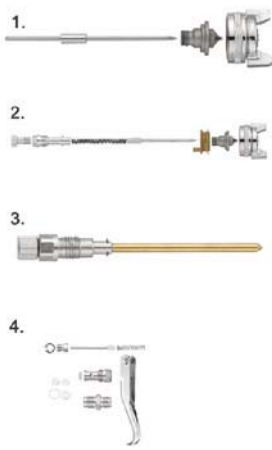
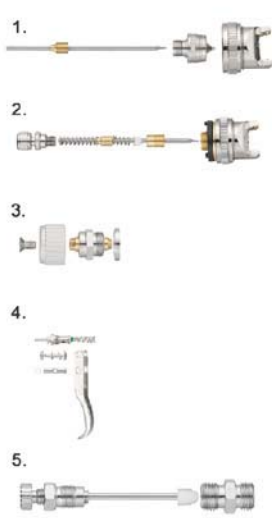
Efficient	Weight	Easy to adjust	Construction Aluminium Blue anodised	Use Painting	Use Automotive applications
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		A	B	DESCRIPTION	REFERENCE
Suction-feed spray gun for technical spray painting					
				Spray pattern control Paint flow rate control Variable air flow 1-litre anodised aluminium cup Dripless cup with quick-close clamp Stainless steel needle and nozzle Working pressure : 3,5 bar to 5 bar Weight : 0,95 kg Air consumption : 260 to 340 l/min BSP G 1/4 male connection BSP G 3/8 male cup connection thread	
		16	29	Ø 2 mm nozzle	CAR S03
		16	29	Ø 1,5 mm nozzle	CAR S031
		16	29	Ø 2,5 mm nozzle	CAR S032
Suction-feed spray gun for industrial spray painting					
				Spray pattern control Paint flow rate control 1-litre anodised aluminium cup Dripless cup with quick-close clamp Stainless steel needle Weight : 1,1 kg Working pressure : 3,5 bar to 5 bar BSP G 1/4 male connection Air consumption : 280 to 360 l/min under 3 bar BSP G 3/8 male cup connection thread Weight: 1,00 kg	
		16	30	Ø 1,6 mm steel nozzle	CAR S02
		16	30	Ø 1 mm steel nozzle	CAR S021
		16	30	Ø 1,8 mm steel nozzle	CAR S022
		16	30	Ø 2 mm steel nozzle	CAR S023
Gravity-feed spray gun for industrial spray painting					
				Spray pattern control knob Paint flow rate control Variable air flow Stainless steel needle and nozzle 0,6-litre polyamide cup Working pressure : 3,5 to 5 bar - Weight : 0,6 kg Air consumption : 250 to 320 l/min BSP G 1/4 male connection	
		16	32.5	Ø 1,4 mm nozzle	CAR G04
		16	32.5	Ø 1,7 mm nozzle	CAR G041
		16	32.5	Ø 2 mm nozzle	CAR G042
Paint spray gun for auto finishing, refinishing and detail work					
				Spray pattern control knob Paint flow rate control Variable air flow Stainless steel nozzle 0,125-litre polyamide cup Working pressure : 2,6 to 4 bar - Weight : 0,3 kg Air consumption : 85 to 140 l/min BSP G 1/4 male connection	
		10	24.5	Ø 0,8 mm nozzle	CAR G05
		10	24.5	Ø 0,5 mm nozzle	CAR G051
		10	24.5	Ø 1 mm nozzle	CAR G052

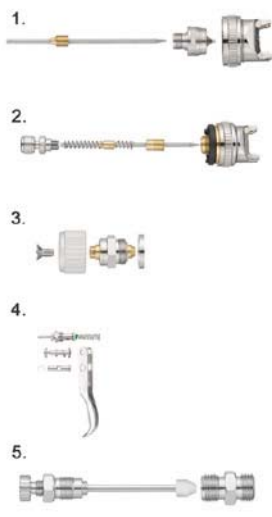
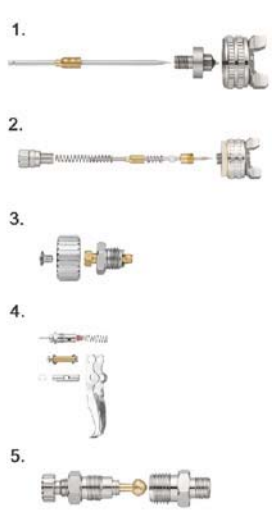
PAINT SPRAY GUN PARTS

		DESCRIPTION	REFERENCE
CAR S03HVLP paint spray gun parts			
		Ø 1.0 mm nozzle	CAR S03B10HVLP
		Ø 1.4 mm nozzle	CAR S03B14HVLP
		Ø 1.7 mm nozzle	CAR S03B17HVLP
		Ø 2.0 mm nozzle	CAR S03B20HVLP
		Ø 2.3 mm nozzle	CAR S03B23HVLP
		Set for complete nozzle Ø 1.7 mm + complete paint flow rate adjustment screw	CAR S03HVLPK1
		Set for jet form control	CAR S03HVLPK3
		Set for complet valve + trigger	CAR S03HVLPK4
		Set for complet air adjust + nipple for air	CAR S03HVLPK5
CAR S03 paint spray gun parts			
		Ø 1,5 mm nozzle	CAR S03B15
		Ø 2 mm nozzle	CAR S03B20
		Ø 2.5 mm nozzle	CAR S03B25
		Set for complete nozzle Ø 2 mm + complete paint flow rate adjustment screw	CAR S03K1
		Set for jet form control	CAR S03K3
		Set for complet valve + trigger	CAR S03K4
		Set for complet air adjust + nipple for air	CAR S03K5

PAINT SPRAY GUN PARTS

		DESCRIPTION	REFERENCE
CAR S02 paint spray gun parts			
		Ø 1,0 mm nozzle	CAR S02B10
		Ø 1.6 mm nozzle	CAR S02B16
		Ø 1.8 mm nozzle	CAR S02B18
		Ø 2 mm nozzle	CAR S02B20
		Set for complete nozzle Ø 1,6 mm + complete paint flow rate adjustment screw	CAR S02K1
		Set for jet form control	CAR S02K3
		Set for complet valve + trigger + nipple air	CAR S02K4
CAR G04HVLP paint spray gun parts			
		Ø 1.0 mm nozzle	CAR G04B10HVLP
		Ø 1.4 mm nozzle	CAR G04B14HVLP
		Ø 1.5 mm nozzle	CAR G04B15HVLP
		Ø 1.7 mm nozzle	CAR G04B17HVLP
		Ø 2.0 mm nozzle	CAR G04B20HVLP
		Set for complete nozzle Ø 1,4 mm + complete paint flow rate adjustment screw	CAR G04HVLPK1
		Set for jet form control	CAR G04HVLPK3
		Set for complet valve + trigger for CAR G04HVLP and CAR G04 paint spray guns	CAR G04K4
		Set for complet air adjust + nipple for air	CAR G04HVLPK5

PAINT SPRAY GUN PARTS

		DESCRIPTION	REFERENCE
CAR G04 paint spray gun parts			
		1.4 mm nozzle	CAR G04B14
		1.7 mm nozzle	CAR G04B17
		2 mm nozzle	CAR G04B20
		Set for complete nozzle Ø 1.4 mm + complete paint flow rate adjustment screw	CAR G04K1
		Set for jet form control	CAR G04K3
		Set for complet air adjust + nipple for air	CAR G04K5
		Set for complet valve + trigger for CAR G04HVLP and CAR G04 paint spray guns	CAR G04K4
CAR G05 paint spray gun parts			
		Ø 0.5 mm nozzle	CAR G05B05
		Ø 0.8 mm nozzle	CAR G05B08
		Ø 1.0 mm nozzle	CAR G05B10
		Set for complete nozzle Ø 0,8 mm + complete paint flow rate adjustment screw	CAR G05K1
		Set for jet form control	CAR G05K3
		Set for complet valve + trigger	CAR G05K4
		Set for complet air adjust + nipple for air	CAR G05K5

PAINT SPRAY GUN PARTS

		DESCRIPTION	REFERENCE
Complet set for suction-feed spray gun cup			
		Cup set for CAR S03HVLP paint gun	CAR S03HVLPK2
		Cup set for CAR S02 and CAR S03 paint guns	CAR S02K2
Complet set for gravity-feed spray gun cup			
		Cup set for CAR G04HVLP and CAR G04 paint spray guns	CAR G04K2
		Cup set for CAR G05 paint spray gun	CAR G05K2
Set for maintenance			
		Care kit for CAR S03HVLP et CAR S03 paint spray guns	CAR S03KEN
		Maintenance kit for CAR S02 paint spray gun	CAR S02KEN
		Set for maintenance for CAR G04HVLP and CAR G04 paint spray guns	CAR G04KEN
		Care kit for CAR G05 paint spray gun	CAR G05KEN

DRYING EQUIPMENT FOR WATER-BASED PAINTS

Use Water-based paints	Easy to adjust	Max. pressure 12 bar	Temperature -20 + 80°C	Cost-effective Less time spent in booths	Efficient Water evaporates quickly
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		DESCRIPTION	REFERENCE
Air drying gun			
		Thread: male G 1/4 Operating pressure: 2-4 bar Consumption: 350 l/min at 4 bar Blowing distance: 40/50 cm Body: aluminium Handgrip: composite material Weight: 0.46 kg	CAR DP
Air drying stand without the drying guns			
		Guns swivel through 360° Operating pressure: 2 - 4 bar Construction: steel Weight: 8 kg Gun spacing adjustable from 0.1 to 0.9 m Jet height: adjustable from 0 to 2 m Foot length: 0.50 m	
		Drying stand similar to CAR MDE without guns	CAR MES
Air drying stand with the drying guns			
		Guns swivel through 360° Operating pressure: 2 - 4 bar Construction: steel Weight: 8 kg Gun spacing adjustable from 0.1 to 0.9 m Jet height: adjustable from 0 to 2 m Foot length: 0.50 m	
		Air stand fitted with: - Air inlet: - 1 plug for quick coupling - Profile 7,2 mm - Air outlet: - 2 quick couplings profile 7,2 mm provided with plugs - 2 drying guns ref. CAR DP	CAR MDES

work stations

BALANCERS, ENERGY BOXES AND SUSPENSION ARMS

RATIONAL WORK STATION FACILITIES



CABLE BALANCERS

- Reduce physical effort
- Increase productivity
- Rationalise work stations
- Applications: fitting, assembly and packing stations
- Straightforward adjustment depending on a tool's weight, to position it at the right height above the work surface
- Safe anchoring
- Sturdy aluminium construction
- Long-lasting stainless steel cable
- Numerous safety systems built-in

BALANCERS WITH DIRECT SUPPLY

- Flexible polyurethane hose provide air supply and maintain the tool at the desired height
- Safe anchoring

ENERGY BOX

The power box provides electrical and pneumatic connections at the work station. The power box provides a simple and safe means of powering:

- Pneumatic tools
- Blowers
- Electric power tools
- Workshop lights

► Use:

Suspended at a fixed point, at the desired height, the power box makes operators' work easier by avoiding:

- The need to move around the workshop
- Hoses trailing on the floor
- Tedious operations in the workspace

► Advantages:

The handle and hanger makes it easy to grab the box while freeing space at the operator's work station.

SUSPENSION AND DISTRIBUTION ARMS

Suspension arms are used:

- To keep tools within arm's reach and keep work surfaces tidy
- To provide a pneumatic supply to tools without cumbersome, unsightly hoses

► Use:

- Fixed work stations (power drivers, staple guns, sanders, etc.)
- Fixed maintenance facilities on machine tools (spray guns, suction nozzles, etc.)
- Suspension of pneumatic or electric tools (balanced by adding balancers, spiral hoses, with or without supply)

► Advantages:

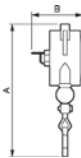
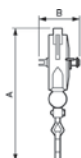
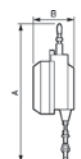
- Tools immediately available
- Weight of tool supported by arm
- Rational work station layout
- Productivity savings

► Arm characteristics:

- Suspension arm rotates flexibly
- Minimal footprint
- Leg takes up very little surface area on work bench
- Sturdy yet lightweight assembly
- Sealed assembly ready for installation
- Arm equipped as standard with an air inlet adaptor at the base and a safety quick coupling for air supply to the tool

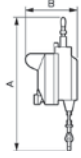
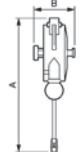
BALANCE REELS WITH STEEL CABLES

Less strain	Cost-effective	Simple solution	Built to last	Automotive applications	Industrial application	Construction Stainless steel cable	Construction Aluminium
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		A	B	Length cable m	Min.Load kg	Max.load kg	Weight balancers kg	REFERENCE
A series: 0,4-3 kg load capacity								
				- Grooved knob adjusts spring tension - Swivel spring hook				
		282	55	1,6	0.4	1	0.57	BAL 0410A
		282	55	1,6	1	2	0.6	BAL 1020A
		282	55	1,6	2	3	0.74	BAL 2030A
B series: 2-8 kg load capacity								
				- Grooved knob adjusts spring tension - Frictionless cable guide - Brake stops loads from falling if spring suddenly breaks				
		353	88	2	2	4	1.9	BAL 2040B
		353	88	2	4	6	1.98	BAL 4060B
		353	88	2	6	8	2.28	BAL 6080B
CP series: 8-14 kg load capacity								
				- Grooved knob adjusts spring tension - Frictionless cable guide - Brake stops loads from falling if spring suddenly breaks				
		381	98	2.50	8	10	3.43	BAL 80100CP
		381	98	2.50	10	14	3.58	BAL 100120CP
DP series: 4-25 kg load capacity								
				- Grooved knob adjusts spring tension - Braking device for positioning the load at different heights - Brake stops loads from falling if spring suddenly breaks - Swivel safety hook for ceiling mounting - Safety cable for ceiling mounting - Stainless steel cable with special frictionless guide - Cable wound in tapered drum rotating on ball bearings				
		551	140	2	4	7	4.94	BAL 4070DP
		551	140	2	7	10	5.3	BAL 70100DP
		551	140	2	10	14	5.67	BAL 100140DP
		551	140	2	14	18	6.26	BAL 140180DP
		551	140	2	18	22	5.89	BAL 180220DP
		551	140	2	22	25	6.53	BAL 220250DP

BALANCE REELS WITH STEEL CABLES

Less strain	Cost-effective	Simple solution	Built to last	Automotive applications	Industrial application	Construction Stainless steel cable	Construction Aluminium
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		A	B	Length cable m	Min.Load kg	Max.load kg	Weight balancers kg	REFERENCE
F Series: 25-105 kg load capacity								
				- Grooved knob adjusts spring tension - Brake stops loads from falling if spring suddenly breaks - Swivel safety hook for ceiling mounting - Safety cable for ceiling mounting - Stainless steel cable with special frictionless guide - Cable wound in tapered drum rotating on ball bearings				
		636	220	2	25	30	11.3	BAL 250300F
		636	220	2	30	35	11.3	BAL 300350F
		636	220	2	35	45	12.21	BAL 350450F
		636	220	2	45	55	12.21	BAL 450550F
		636	220	2	55	65	13.06	BAL 550650F
		636	220	2	65	75	13.86	BAL 650750F
		636	220	2	75	90	16.84	BAL 750900F
		636	220	2	90	105	17.77	BAL 9001050F
E series: air supply hose - 0,4-2,5 kg load capacity								
				- Polyurethane hose supplies air directly to tools - Grooved knob adjusts spring tension - G 1/4 BSP Gas Teflon-coated male fitting - Service pressure : 8 bar at 20°C				
		298	104	1.4	0.4	0.8	1.12	BAL 0408E
		298	104	1,4	0.75	1.5	1.13	BAL 0715E
		298	104	1,4	1.2	2.5	1.26	BAL 1225E

SPIRALEX TOOL BALANCERS WITH RECOILS

Less strain	Cost-effective	Simple solution	Built to last	Fluid Air	Automotive applications	Industrial application
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		Weight tool weight kg	Outlet BSP Gas	Hose diameter mm	Max length in m	Length Mini in m	REFERENCE
Spiralex tool balancers with recoils							
		0,2 to 0,5	G 1/4 male	4.5 x 6	0.65	0,28 to 0,45	SPI 1
		0.7 to 2	G 1/4 female	6.3 x 8	1.06	0.46 to 0.90	SPI 3
		2.5 to 5	G 3/8 Female	9.5 x 12	1.45	0.92 to 1.42	SPI 5
		6 to 10	G 3/8 female	9.5 x 12	1.44	0.70 to 0.98	SPI 7

COMPRESSED AIR DISTRIBUTION AND SUSPENSION ARM

Pressure 10 bar	Construction Aluminium	Max.load 3 kg	Height suspension hook on secondary arm 1130 mm	Swivels 180°
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		A	B	C	D	E	DESCRIPTION	REFERENCE
Articulated suspension arm								
							Suspension arms: - Keep tools within arm's reach and keep work surfaces tidy. - Provide a pneumatic supply to tools without cumbersome, unsightly hoses. Inlet : G 1/4 female with adaptor Outlet : G 1/4 female with safety coupling	
		860	750	1210	45x45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor ISO B G 1/4 female outlet with safety coupling ISO B - ISI	BSIS 750
		860	750	1210	45x45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor Ø 7.2 mm G 1/4 female outlet with safety coupling Ø 7.2 mm	BSES 750
		860	750	1210	45x45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor ISO C G 1/4 female outlet with safety coupling ISO C	BSC 750
		860	750	1210	45x45		Sliding suspension hook on secondary arm Air supply : G 1/4 female inlet with adaptor -ARO- G 1/4 female outlet with safety coupling - ARO	BSA 750
		860	750	1210	45 x 45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor - British G 1/4 female outlet with safety coupling - British	BSB 750
Double articulation suspension arm								
							Suspension arms: - Keep tools within arm's reach and keep work surfaces tidy. - Provide a pneumatic supply to tools without cumbersome, unsightly hoses. Inlet : G 1/4 female with adaptor Outlet : G 1/4 female with safety coupling	
		1075	450	1210	45x45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor ISO B G 1/4 female outlet with safety coupling ISO B - ISI	BSIS 1000
		1075	450	1210	45x45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor - Ø 7.2 mm G 1/4 female outlet with safety coupling - Ø 7.2 mm	BSES 1000
		1075	450	1210	45x45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor ISO C G 1/4 female outlet with safety coupling ISO C	BSC 1000
		1075	450	1210	45x45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor - ARO G 1/4 female outlet with safety coupling - ARO	BSA 1000
		1075	450	450	1210	45 x 45	Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor - British G 1/4 female outlet with safety coupling - British	BSB 1000

ENERGY BOXES

COMPRESSED AIR / ELECTRICITY

Use To suspend from the ceiling at the desired height	Ergonomic Work station equipment	Ease of use and safe	Hose diameter Recoil supply hose: 8 x 12 mm	For use with Air/Electricity	Weight Box weight: 2 kg	Pressure 8 bar
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		DESCRIPTION	REFERENCE
Energy box Electricity/Compressed Air			
		Suspended from the ceiling at the desired height, power boxes make life easier for operators by avoiding: - the need to move around the workshop - hoses trailing on the floor - tedious operations in the workspace Suspension chain : 3 m length	
		Boxes fitted with : - 3 outlets 230 V 16 A for French market - 2 couplings ISI 061102 Max power : 3 500 W	BEIS 230F
		Boxes fitted with : - 3 outlets 230 V 16 A for Spanish market - 2 couplings ISI 06 Max power : 3 500 W	BEIS 230S
		Energy box equipped with: - three 13 A/230-240 V outlets - British 13-amp plug system + 2 BSC 06 quick couplings Max. power: 3500 W	BEB 230B
Energy box Electricity/Compressed Air			
		Suspended from the ceiling at the desired height, power boxes make life easier for operators by avoiding: - the need to move around the workshop - hoses trailing on the floor - tedious operations in the workspace Suspension chain : 3 m length	
		Boxes fitted with : - 3 outlets 230 V 16 A for German market - 2 couplings ESI 07 Max power : 3 500 W	BEES 230G

lubrication

PNEUMATIC PUMPS AND WASTE OIL DRAINS

EFFICIENCY AT MAINTENANCE



GREASE PUMPS

- ▶ PREVOST grease pumps are used to distribute grease at high pressure.
- ▶ They feature a compression ratio of 58 to 1 (i.e. 58 times higher than the compressed air inlet pressure).
- ▶ A screen filter at the end of the suction rod protects the pump body.

OIL PUMPS

- ▶ PREVOST oil pumps are used to distribute low viscosity fluids, such as engine oil or diesel fuel, at medium pressure.
- ▶ They feature a compression ratio of 4 to 1 (i.e. four times higher than the compressed air inlet pressure).
- ▶ All pneumatic pumps are double-acting, simple, compact and sturdy.
- ▶ All components are specially treated and assembled with precision.

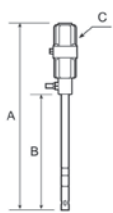
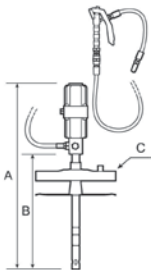
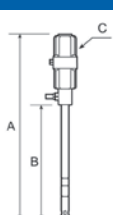
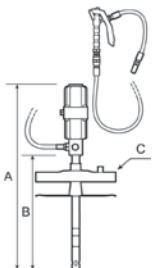
WASTE OIL DRAINS

- ▶ Waste oil recovery units are used to drain engine or gearbox oil, by gravity or suction, on all types of vehicle.
- ▶ Mobile suction units avoid monopolising vehicle lifts. Recovery units optimise vehicle flow and space management in workshops.
- ▶ Suction-type oil recovery units with measuring bowl have sufficient capacity to drain several engines in succession. A three-way valve system enables 5 to 10 drain operations to be performed with a single depressurisation. This innovation enables the units to operate as follows:
 - create a vacuum in the tank and bowl
 - isolate the vacuum in the bowl to suck in the used oil
 - drain the used oil from the bowl into the tank
 - create a new vacuum in the bowl, using the vacuum in the tank, to allow subsequent suction operations.



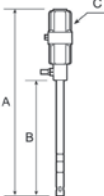
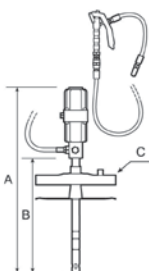
PNEUMATIC GREASE PUMPS

Pressure ratio 58:1	Flow rate Grease - 900 gr/min	Pressure input : 4 to 8 bar	Outlet grease : G 1/4 male	Ergonomic	Safety Safe installation	Max.pressure 470 bar	Inlet Air : G 1/4 female	Consumption Air 130-160 l/min
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		A	B	C	DESCRIPTION	REFERENCE
Pump for 12/20 kg drum						
		680	410	80	Tube length 410 mm	EPG PR20
Complete portable kit for 12/20 kg grease drums						
		680	410	280	Complete kit Including : - pump for 12/20 kg drum - tube length : 410 mm - cover + sealing diaphragm - distribution gun - 4 m rubber hose - carrying handle	EPG KR20
					Complete portable kit for 12/20 kg grease drums with FRL	EPG KRF20
					Complete portable kit for 12/20 kg grease drums with FRL and transport cart	EPG KRFC20
Pump for 20/30 kg drum						
		740	470	80	Tube length 470 mm	EPG PR30
Complete portable kit for 20/30 kg grease drums						
		740	470	320	Complete kit Including : - pump for 20/30 kg drum - tube length : 470 mm - cover + sealing diaphragm - distribution gun - 6 m rubber hose	EPG KR30
					Complete portable kit for 20/30 kg grease drums with FRL	EPG KRF30
					Complete kit for 20/30 kg grease drums with FRL and transport cart	EPG KRFC30

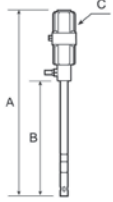
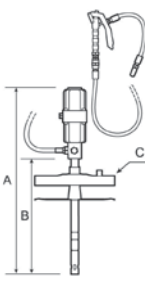
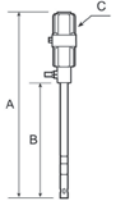
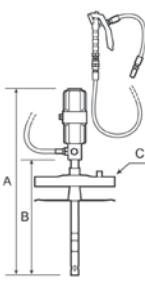
PNEUMATIC GREASE PUMPS

Pressure ratio 58:1	Flow rate Grease - 900 gr/min	Pressure input : 4 to 8 bar	Outlet grease : G 1/4 male	Ergonomic	Safety Safe installation	Max.pressure 470 bar	Inlet Air : G 1/4 female	Consumption Air 130-160 l/min
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		A	B	C	DESCRIPTION	REFERENCE
Pump for 50/60 kg drum						
		1000	730	80	Tube length 730 mm	EPG PR60
Complete portable kit for 50/60 kg grease drums						
		1000	730	340 - 380	Complete kit Including : - pump for 50/60 kg drum - tube length : 730 mm - cover + sealing diaphragm - distribution gun - 6 m rubber hose	EPG KR60
					Complete portable kit for 50/60 kg grease drums with FRL	EPG KRF60
					Complete kit for 50/60 kg grease drums with FRL and transport cart	EPG KRFC60
Options						
					Metal cover diam.280 mm	EPG CV20
					Metal cover diam. 320 mm	EPG CV30
					Metal cover diam. 385 mm	EPG CV60
					Metal cover Ø 380 to 410 mm	EPG CV65
					3 - Sealing diaphragm diam.270 mm	EPG MB20
					Sealing diaphragm diam.310 mm	EPG MB30
					Sealing diaphragm for drum Ø 280 to 300 mm	EPG MB31
					Sealing diaphragm Ø 300 to 330 mm	EPG MB34
					Sealing diaphragm diam. 370 mm	EPG MB60
					Sealing diaphragm Ø 380 to 410 mm	EPG MB65
					Rubber hose 4 m	EPG TC414
					Rubber hose 6 m	EPG TC614
					Rubber hose for connecting pump to reel - G 1/4 G - 2 m	EPG TC214
					Sealing coupling	EPG RT14
					Universal joint sealing coupling	EPG SW14
					Carrying handle	EPG PG
					30 mm bolt to hold pump in drum	EPG VS30
					Distribution gun	EPG PT400
					Grease gun with 15 cm rigid hose	EPG PT150R
					Transport cart for 12/20 kg drums	EPG CA20
					Transport cart for 20/60 kg	EPG CA60

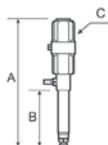
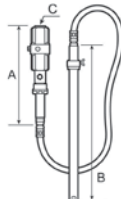
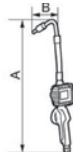
PNEUMATIC OIL PUMPS

Pressure ratio 4:1	Flow rate Oil: 20 l/min	Pressure Input: 6 to 8 bar	Outlet Oil : G 1/2 male	Ergonomic time saving	Safety installation	Max.pressure 470 bar	Inlet inlet: G 1/4 female	Consumption air 200-250 l/min
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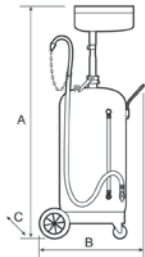
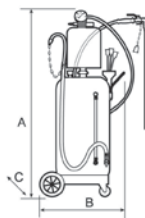
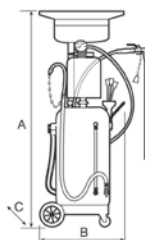
		A	B	C	DESCRIPTION	REFERENCE
Pump for 50/60 litre oil drums						
		1000	730	80	Tube length 730 mm	EPH PR60
Complete kit for 50/60 litre oil drums						
					Complete kit. Including : - pump for 50/60 litre drum - tube length : 730 mm - oil distribution gun - rubber hose 5 m pressure: 100 bar	EPH KR60
		1000	730		Complete kit for 50/60 liter oil drums with FRL	EPH KRF60
					Complete kit for 50/60 litre oil drums with FRL and transport cart	EPH KRFC60
Pump for 180/220 litre oil drums						
		1210	940	80	Tube length 940 mm	EPH PR220
Complete kit for 180/220 litre oil drums						
		1210	940	80	Complete kit. Including : - pump for 180/220 litre drum - tube length : 940 mm - oil distribution gun - rubber hose 5 m pressure: 100 bar	EPH KR220
					Complete kit for 180/220 liter oil drums with FRL	EPH KRF220
					Complete kit for 180/220 litre oil drums with FRL and transport cart	EPH KRFC220

PNEUMATIC OIL PUMPS

Pressure ratio 4:1	Flow rate Oil: 20 l/min	Pressure Input: 6 to 8 bar	Outlet Oil : G 1/2 male	Ergonomic time saving	Safety installation	Max.pressure 470 bar	Inlet inlet: G 1/4 female	Consumption air 200-250 l/min
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		A	B	C	DESCRIPTION	REFERENCE
Oil pump for 180/220 litre oil drums						
		445	175	80	Oil pump	EPH MR220
Complete wall-mounted kit for 180/220 litre oil drums						
		445	940	80	Complete kit. Including : - wall-mounted pump - tube length 940 mm - wall mounting bracket with G 2 nut - 2 m rubber hose G 1	EPH MRK220
					Complete kit. Including: Complete wall-mounted kit for 180/220 litre oil drums with filter-regulator, lubricator TB SM1	EPH MRKF220
Metering oil distribution gun						
					Flow rate: 1 to 30 l/min Accuracy: +/- 0,5 % Pressure drop: 0,7 bar Max. pressure: 70 bar	
					Measures the volume of the fluid delivered Reading of the volume on CD screen Inlet: G 1/2 female	EPH VOL12
Accessories for pump						
					5 m rubber hose, pressure 100 bar	EPH TC512
					G 1 hose, length 2 m	EPH TC201
					2m rubber hose, pressure 100 bar, for pump eel connection	EPH TC212
					940 mm tube with scrow	EPH TB940
					Oil drip tray with hook for gun	EPH EGR10
					Wall mouting bracket with 2" nut	EPH SP
					Oil distribution gun	EPH PT12
					Transport cart for 180/220 litre drums	EPH CA220
					Transport cart for 20/60 litre drums	EPH CA60

OIL CHANGE UNITS

Efficient Long life		Construction treated steel and epoxy paint			Ergonomic rational use of space		Safety to use	
		A	B	C	DESCRIPTION	REFERENCE		
90 litres gravity type unit, economy version								
		1800	560	550	- Tank capacity 90 litres - Filter integrated in tray - Tray: 12 litres, diam.360 mm, adjustable height, 360° swivel - Tank level indicator - Inflation valve rated at 0.5 bar, with pressure gauge - Evacuation valve for used oil. - 2 meter used oil evacuation hose - Fixed front wheels, steerable rear wheels for better handling	ERH G90		
					Oil recovery unit - 90 liters			
Suction-type oil unit with measuring bowl								
		1230	500	490	- Tank capacity 65 litres - Measuring bowl capacity 8 litres - Set of 5 intake nozzles, diameter 5 mm to 10 mm x 800 mm - Drain adaptors for direct fitting in gauge well - 2 meters suction hose for engine/unit connection - Tank level indicator - Inflation valve rated at 0.5 bar, with pressure gauge - Vacuum venturi system with pressure gauge - 2 meters used oil evacuation hose - Evacuation valve for used oil - Fixed front wheels, steerable rear wheels for better handling - Filter integrated in tray - Tray: 12 litres, diam.360 mm, adjustable height, 360° swivel	ERH AB65		
					Oil recovery unit - 65 liters			
65 litres suction and gravity unit with drain bowl								
		1550	500	490	- Tank capacity 65 litres - Measuring bowl capacity 8 litres - Set of 5 intake nozzles, diameter 5 mm to 10 mm x 800 mm - Drain adaptors for direct fitting in gauge well - 2 meters suction hose for engine/unit connection - Tank level indicator - Inflation valve rated at 0.5 bar, with pressure gauge - Vacuum venturi system with pressure gauge - 2 meters used oil evacuation hose - Evacuation valve for used oil - Fixed front wheels, steerable rear wheels for better handling - Filter integrated in tray - Tray: 12 litres, diam.360 mm, adjustable height, 360° swivel	ERH ABG65		
					Oil recovery unit - 65 liters			

TREATMENT OF COMPRESSED AIR IS ESSENTIAL FOR:

- Preserving pneumatic tools and equipment
- Obtaining high quality work
- Reducing maintenance costs



QUALITY

The **ALTO** range ensures that your pneumatic tools work optimally

► ALTO filter

ALTO filters eliminate contaminants from compressed air (particles, water and oil) by filtration and bleeding.

They ensure 95% separation of water, oil and solid particles greater than or equal to the selected filtration threshold.

► ALTO regulator

ALTO regulators adjust pressure to the values required by each application.

► ALTO lubricator

ALTO oil mist lubricators preserve your pneumatic tools by injecting precisely metered quantities of lubricant into the filtered air.

EASE OF USE

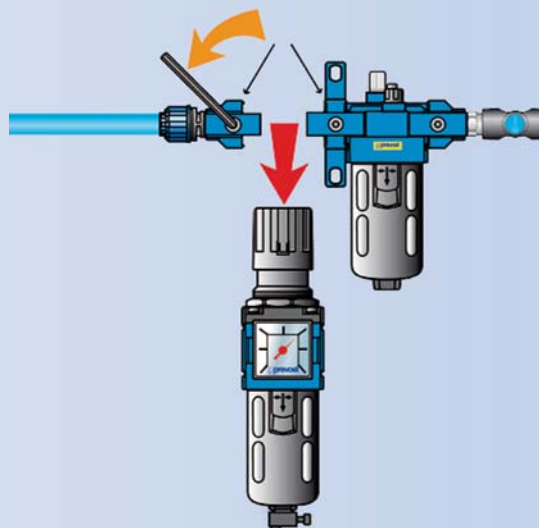
Operation of ALTO units

- Tank with bayonet-type mounting system for G 3/8, G 1/2, G 3/4, G 1 assemblies
- Threaded tank for G 1/8, G 1/4 assemblies
- Oil flow adjusted by set screw
- Oil tank may be filled during use
- Manual bleed of filters by pressing the drain button
- Tank with metallic protection

MODULAR CONSTRUCTION

The **ALTO** range guarantees quick and easy installation and maintenance.

- Quick connection kits : individual filter, regulator, lubricator units easily removable/mountable without disturbing the pipe line.
- Complete units ready to mount, fully assembled and sealed, equipped with wall bracket.



AIR TREATMENT UNITS

ALTO 1 - G 1/8 and 1/4



PERFORMANCES AND TECHNICAL CHARACTERISTICS

FILTER

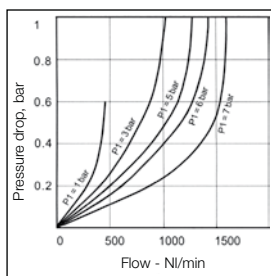
Filter cartridge: Sintered bronze
Filtration: 25 microns
Drain operation: manual by pressing drain knob
Bowl capacity: 9 ml
Weight: 0.20 kg

REGULATOR

Diaphragm operated, relieving type
Pressure compensated by balanced poppet
Pressure gauge port size: G 1/8
Weight: 0.15 kg

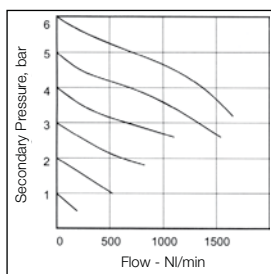
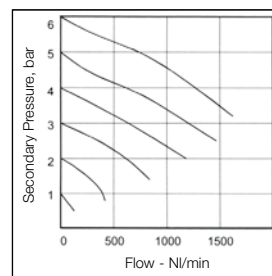
LUBRICATOR

Fog/Mist type
Oil flow adjustment by needle screw
Bowl capacity: 20 ml
Weight: 0.185 kg
Airline oil recommended:
ISO VG 22 - Ref. VAS 2442



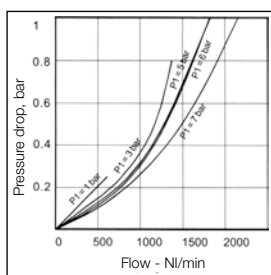
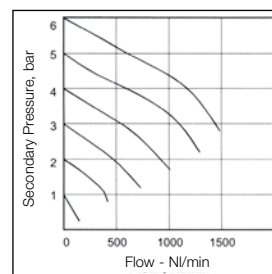
Filter

Supply pressure: 6 bar
 ΔP : 0.3 bar



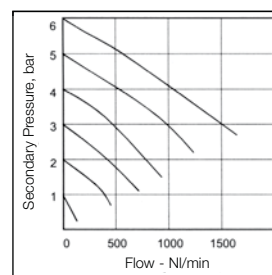
Regulator

Supply pressure: 7 bar
Set pressure: 6 bar
Pressure drop ΔP : 0.3 bar



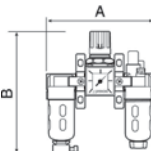
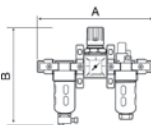
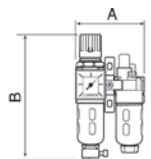
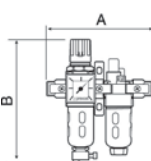
Lubricator

Supply pressure: 6 bar
 ΔP : 0.5 bar



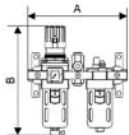
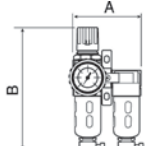
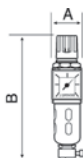
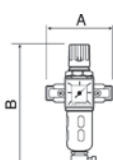
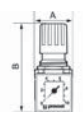
ALTO 1

G 1/8 - G 1/4 COMPRESSED AIR TREATMENT UNITS

Manual drain	Temperature 5 - 60 °C	Construction Bowl with metallic protection		Construction Aluminium body	Pressure gauge 0 to 10 bar	Packing In box Mounted sets		
		A	B	Female thread BSP Gas	Filtration μ	Flow rate max in l/min	Pressure max in bar	REFERENCE
3-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket								
		146	170	G 1/8	25	500	12	TT SM0
		146	170	G 1/4	25	500	12	TT SM1
3-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket and quick connections								
		200	170	G 1/4	25	500	12	TT PSM1
2-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket								
		92	170	G 1/8	25	500	12	TB SM0
		92	170	G 1/4	25	500	12	TB SM1
2-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket and quick connections								
		146	170	G 1/4	25	500	12	TB PSM1

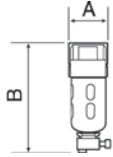
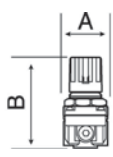
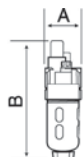
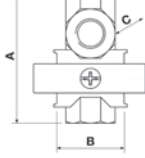
ALTO 1

G 1/8 - G 1/4 COMPRESSED AIR TREATMENT UNITS

Manual drain	Temperature 5 - 60 °C	Construction Bowl with metallic protection		Construction Aluminium body		Pressure gauge 0 to 10 bar	Packing In box Mounted sets	
		A	B	Female thread BSP Gas	Filtration μ	Flow rate max in l/min	Pressure max in bar	REFERENCE
2-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket and diverter block								
		164	169	G 1/4	25 - 4 non lubricated outlets	500	12	TB SME1
2-piece-set - Microfilter assembly with Regulator (gauge included) and wall bracket								
		92	170	G 1/4	5 and 0,01 μ	550	12	TB CSM1
Filter-Regulator (gauge included) with wall bracket								
		40	170	G 1/8	25	550	12	TM SM0
		40	170	G 1/4	25	550	12	TM SM1
Filter-Regulator (gauge included) with wall bracket and quick connections								
		94	170	G 1/4	25	550	12	TM PSM1
Regulator with Gauge								
		40	81	G 1/4	-	600	Inlet:15 Outlet:0.5-10	TR M1

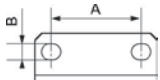
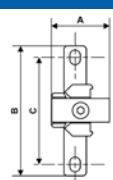
ALTO 1

G 1/8 - G 1/4 MODULES

Manual drain		Temperature 5 °C - 60 °C		Construction Bowl with metal protection		Individually boxed		Construction Aluminium body	
		A	B	C	Female thread BSP Gas	Flow rate max in l/min	Pressure max in bar	Filtration μ	REFERENCE
Filter and micro filter									
		40	113		G 1/8	800	12	25	TF 0
		40	113		G 1/4	800	12	25	TF 1
		40	113		G 1/4	800	12	5	TF 105
		40	113		G 1/4	550	12	0,01	TC 1
Regulator									
					Pressure gauge port size: G 1/8				
		40	81		G 1/8	600	Inlet : 10 Outlet : 0.5-10	-	TR 0
		40	81		G 1/4	600	Inlet:15 Outlet:0.5-10	-	TR 1
		40	81		G 1/4	600	Inlet: 15 Outlet: 0.2-2	-	TR B21
		40	81		G 1/4	600	Inlet: 15 bar Outlet: 0.2 - 4 bar	-	TR B41
Lubricator									
		40	135		G 1/8	1 350	12	-	TL 0
		40	135		G 1/4	1 350	12	-	TL 1
Filter-regulator									
		40	170		G 1/8	550	Inlet : 10 Outlet : 0.5-10	25	TM 0
		40	170		G 1/4	550	Inlet:10 Outlet:0.5-10	25	TM 1
		40	170		G 1/4	550	Inlet:10 Outlet:0.5-10	5	TM 105
Outlet Diverter block									
		60	30	48	G 1/4	-	-	4 non lubricated outlets	TE 1

ALTO 1

G 1/4 ACCESSORIES

		A	B	C	DESCRIPTION	REFERENCE
Wall bracket						
		28	5.5		For filter or regulator G 1/4	TP Q1
		28	5.5		For filter or filter regulator G 1/4	TR Q1
		-	-		Nut for regulator bracket	TR E1
Wall bracket and seal set						
		50			1 set TA S1 for a G 1/4 2-pieces set 2 sets TA S1 for a G 1/4 3-pieces set	TA S1
Seal set						
		12	26		1 set TA M1 for a G 1/4 2-pieces set 2 sets TA M1 for a G 1/4 3-pieces set	TA M1
Quick connection kit for ringmains						
		12			1 adaptor in/outlet G 1/4	TC P1
Bracket and connection						
		36	73	51	Bracket and connection G 1/4	TC S1
Automatic float drain						
		120			For filter G 1/4	TD F1
Filter and micro filter cartridge						
					Filter cartridge 25 µ	TF C1
					Filter cartridge 5 µ	TF C105
					Filter cartridge 0.01 µ	TF C101
Manual drain by drain knob						
					For filter or filter regulator G 1/8 - G 1/4 - G 3/8 - G 1/2 - G 3/4 - G 1	TP F45

AIR TREATMENT UNITS

ALTO 2 - G 3/8



PERFORMANCES AND TECHNICAL CHARACTERISTICS

FILTER

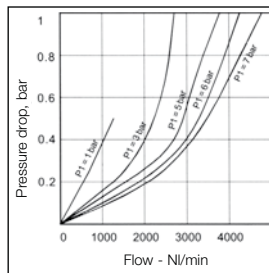
Filter cartridge: Sintered bronze
Filtration: 25 microns
Drain operation: manual by pressing drain knob
Bowl capacity: 32 ml
Weight: 0.45 kg

REGULATOR

Diaphragm operated, relieving type
Pressure compensated by balanced poppet
Pressure gauge port size: G 1/8
Weight: 0.40 kg

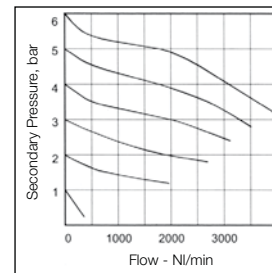
LUBRICATOR

Fog/Mist type
Oil flow adjustment by needle screw
Bowl capacity: 57 ml
Weight: 0.30 kg
Airline oil recommended:
ISO VG 22 - Ref. VAS 2442



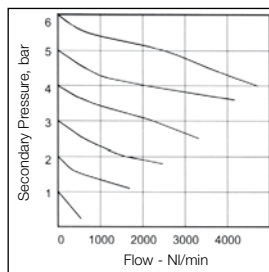
Filter

Supply pressure: 6 bar
 ΔP : 0.3 bar



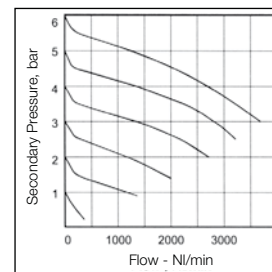
Filter Regulator

Supply pressure: 7 bar
Set pressure: 6 bar
Pressure drop ΔP : 0.3 bar



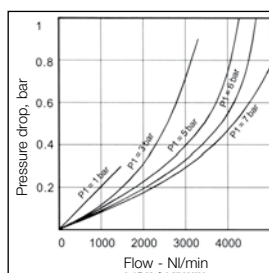
Regulator

Supply pressure: 7 bar
Set pressure: 6 bar
Pressure drop ΔP : 0.3 bar



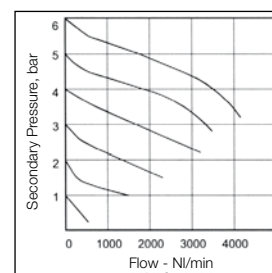
Filter Regulator Lubricator 2-piece set

Supply pressure: 7 bar
Set pressure: 6 bar
Pressure drop ΔP : 0.3 bar



Lubricator

Supply pressure: 6 bar
 ΔP : 0.5 bar

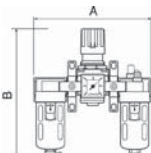
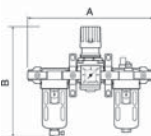
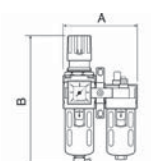
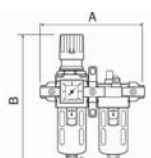


Filter Regulator Lubricator 3-piece set

Supply pressure: 7 bar
Set pressure: 6 bar
Pressure drop ΔP : 0.3 bar

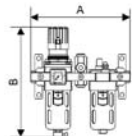
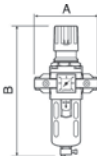
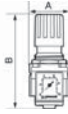
ALTO 2

G 3/8 COMPRESSED AIR TREATMENT UNITS

Manual drain	Temperature 5 °C - 60 °C	Construction Bowl with metallic protection		Construction Aluminium body	Pressure gauge 0 to 10 bar	Packing In box Mounted sets		
		A	B	Female thread BSP Gas	Filtration μ	Flow rate max in l/min	Pressure max in bar	REFERENCE
3-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket								
		192	220	G 3/8	25	2 000	12	TT SM2
3-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket and quick connections								
		250	220	G 3/8	25	2 000	12	TT PSM2
2-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket								
		124	220	G 3/8	25	1 250	12	TB SM2
2-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket and quick connections								
		182	220	G 3/8	25	1 250	12	TB PSM2

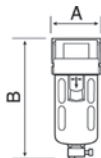
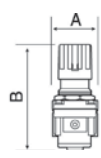
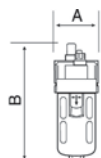
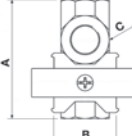
ALTO 2

G 3/8 COMPRESSED AIR TREATMENT UNITS

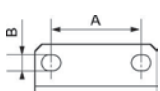
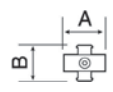
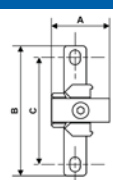
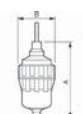
Manual drain	Temperature 5 °C - 60 °C	Construction Bowl with metallic protection		Construction Aluminium body	Pressure gauge 0 to 10 bar	Packing In box Mounted sets		
		A	B	Female thread BSP Gas	Filtration μ	Flow rate max in l/min	Pressure max in bar	REFERENCE
2-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket and diverter block								
		204	216	G 3/8	25 - 4 non lubricated outlets	1 250	12	TB SME2
Filter-Regulator (gauge included) with wall bracket								
		55	220	G 3/8	25	1 800	12	TM SM2
Filter-Regulator (gauge included) with wall bracket and quick connections								
		113	220	G 3/8	25	1 800	12	TM PSM2
Regulator with Gauge								
		55	135	G 3/8	-	2 500	Inlet:15 Outlet:0.5-10	TR M2

ALTO 2

G 3/8 MODULES

Manual drain		Temperature 5 - 60 °C		Construction Bowl with metallic protection		Individually boxed		Construction Aluminium body	
		A	B	C	Flow rate max in l/min	Filtration μ	Pressure max in bar	Female thread BSP Gas	REFERENCE
Filter									
		55	140		2 250	25	12	G 3/8	TF 2
		55	140		2 250	5	12	G 3/8	TF 205
Regulator									
					Pressure gauge port size: G 1/8				
		55	135		2 500	-	Inlet:15 Outlet:0.5-10	G 3/8	TR 2
Lubricator									
		55	157		3 000	-	12	G 3/8	TL 2
Filter-regulator									
		55	220		1 800	25	Inlet:10 Outlet:0.5-10	G 3/8	TM 2
		55	220		1800	25 With automatic drain	Inlet: 2-10 Outlet: 0.5-10	G 3/8	TM D2
Outlet diverter block									
		66	35	53	-	4 non lubricated outlets	-	G 3/8	TE 2

ALTO 2 - G 3/8 ACCESSORIES

		A	B	C	DESCRIPTION	REFERENCE
Wall bracket						
		40	6.5		For filter or regulator	TP Q2
		40	6.5		For filter or filter regulator	TR Q2
		-	-		Nut for regulator bracket	TR E2
Seal set						
		29	33		1 set TA M2 for a G 3/8 2-pieces set 2 sets TA M2 for a G 3/8 3-pieces set	TA M2
Wall bracket and seal set						
		70			1 set TA S2 for a G 3/8 2-pieces set 2 sets TA S2 for a G 3/8 3-pieces set	TA S2
Quick connection kit for ringmains						
		29			1 adaptor in/outlet G 3/8	TC P2
Jeu de fixation murale et connexion réseau						
		40	89	70	G 3/8	TC S2
Automatic float drain						
		120			For filter G 3/8	TD F2
Filter cartridge						
					Filter cartridge 25 µ	TF C2
					Filter cartridge 5 µ	TF C205
Manual drain by drain knob						
					For filter or filter regulator G 1/8 - G 1/4 - G 3/8 - G 1/2 - G 3/4 - G 1	TP F45

AIR TREATMENT UNITS

ALTO 3 - G 1/2



PERFORMANCES AND TECHNICAL CHARACTERISTICS

FILTER

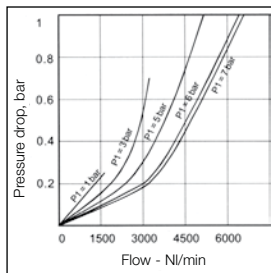
Filter cartridge: Sintered bronze
Filtration: 25 microns
Drain operation: manual by
pressing drain knob
Bowl capacity: 44 ml
Weight: 0.67 kg

REGULATOR

Diaphragm operated,
relieving type
Pressure compensated by
balanced poppet
Pressure gauge port size: G 1/8
Weight: 0.90 kg

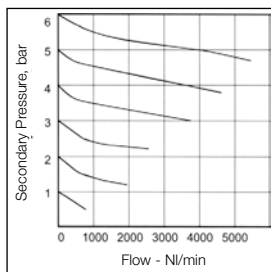
LUBRICATOR

Fog/Mist type
Oil flow adjustment by
needle screw
Bowl capacity: 152 ml
Weight: 0.56 kg
Airline oil recommended:
ISO VG 22 - Ref. VAS 2442



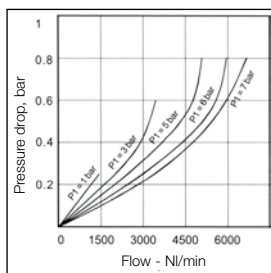
Filter

Supply
pressure: 6 bar
 ΔP : 0.3 bar



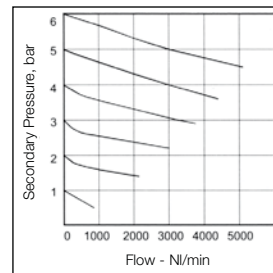
Regulator

Supply
pressure: 7 bar
Set pressure:
6 bar
Pressure drop
 ΔP : 0.3 bar



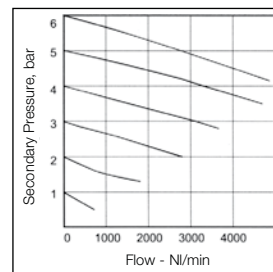
Lubricator

Supply
pressure: 6 bar
 ΔP : 0.5 bar



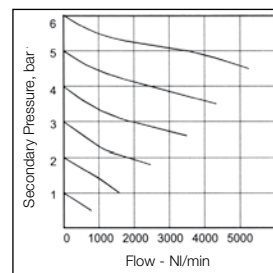
Filter Regulator

Supply
pressure: 7 bar
Set pressure:
6 bar
Pressure drop
 ΔP : 0.3 bar



Filter Regulator Lubricator 2-piece set

Supply
pressure: 7 bar
Set pressure:
6 bar
Pressure drop
 ΔP : 0.3 bar

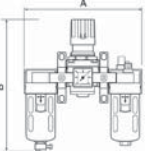
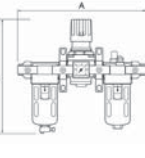
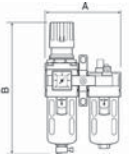
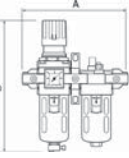
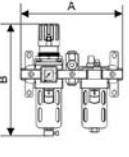


Filter Regulator Lubricator 3-piece set

Supply
pressure: 7 bar
Set pressure:
6 bar
Pressure drop
 ΔP : 0.3 bar

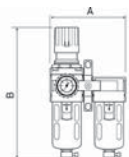
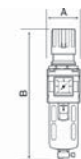
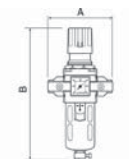
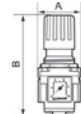
ALTO 3

G 1/2 COMPRESSED AIR TREATMENT UNITS

Manual drain	Temperature 5 - 60 °C	Construction Bowl with metallic protection	Pressure gauge 0 to 10 bar	Construction Aluminium body	Packing In box Mounted sets			
		A	B	Flow rate max in l/min	Filtration μ	Pressure max in bar	Female thread BSP Gas	REFERENCE
3-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket								
		241	280	3 500	25	12	G 1/2	TT SM3
3-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket and quick connections								
		305	280	3 500	25	12	G 1/2	TT PSM3
2-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket								
		156	280	2 800	25	12	G 1/2	TB SM3
2-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket and quick connections								
		220	280	2 800	25	12	G 1/2	TB PSM3
2-piece-set - Filter-Regulator-Lubricator (gauge included) with wall bracket and diverter block								
		245	277	2800	25-4 non lubricated outlets	12	G 1/2	TB SME3

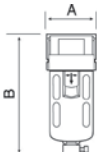
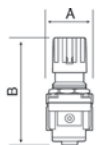
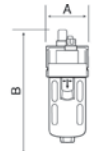
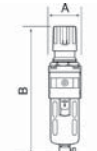
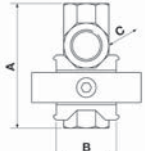
ALTO 3

G 1/2 COMPRESSED AIR TREATMENT UNITS

Manual drain	Temperature 5 - 60 °C	Construction Bowl with metallic protection		Pressure gauge 0 to 10 bar	Construction Aluminium body		Packing In box Mounted sets	
		A	B	Flow rate max in l/min	Filtration μ	Pressure max in bar	Female thread BSP Gas	REFERENCE
2-piece-set - Microfilter assembly with Regulator (gauge included) and wall bracket								
		156	280	3 000	5 and 0,01 μ	12	G 1/2	TB CSM3
Filter-Regulator (gauge included) with wall bracket								
		70	280	3 000	25	12	G 1/2	TM SM3
Filter-Regulator (gauge included) with wall bracket and quick connections								
		134	280	3 000	25	12	G 1/2	TM PSM3
Regulator with Gauge								
		70	135	4 000	-	Inlet:15 Outlet:0.5-10	G 1/2	TR M3

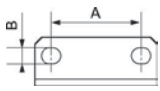
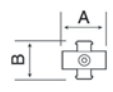
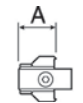
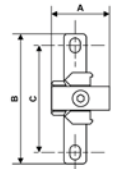
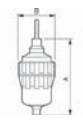
ALTO 3

G 1/2 MODULES

Manual drain		Temperature 5 - 60 °C		Construction Bowl with metallic protection		Individually boxed		Construction Aluminium body	
		A	B	C	Flow rate max in l/min	Filtration μ	Pressure max in bar	Female thread BSP Gas	REFERENCE
Filter and micro filter									
		70	172		3 500	25	12	G 1/2	TF 3
		70	172		3 500	5	12	G 1/2	TF 305
		70	172		3 000	0,01	12	G 1/2	TC 3
Regulator									
					Pressure gauge port size: G 1/8				
		70	165		4 000	-	Inlet:15 Outlet:0.5-10	G 1/2	TR 3
		70	165		4 000	-	Inlet: 15 bar Outlet: 0.2-2	G 1/2	TR B23
		70	165		3 000	-	Entrée : 15 Sortie : 0,2-4	G 1/2	TR B43
Lubricator									
		70	190		5 650	-	12	G 1/2	TL 3
		70	190		5 650	-	20 Module with metal bowl	G 1/2	TL A3
Filter-regulator									
		70	280		3 000	25	Inlet:10 Outlet:0.5-10	G 1/2	TM 3
		70	280		3 000	5	Inlet:10 Outlet:0.5-10	G 1/2	TM 305
		70	280		3 000	5	Inlet: 20 Outlet: 0.5-10 Module with metal bowl	G 1/2	TM A305
		70	280		3 000	25 With automatic drain	Inlet: 2-10 Outlet: 0.5-10	G 1/2	TM D3
Outlet Diverter Block									
		83	40	67	-	4 non lubricated outlets	-	G 1/2	TE 3

ALTO 3

G 1/2 ACCESSORIES

		A	B	C	DESCRIPTION	REFERENCE
Wall bracket						
		55	8.5		For filter or regulator G 1/2	TP Q3
		55	8.5		For filter or filter regulator G 1/2	TR Q3
		-	-		Nut for regulator bracket	TR E3
Seal set						
		32	44		1 set TA M3 for a G 1/2 2-pieces set 2 sets TA M3 for a G 1/2 3-pieces set	TA M3
Wall bracket and seal set						
		90			1 set TA S3 for a G 1/2 2-pieces set 2 sets TA S3 for a G 1/2 3-pieces set	TA S3
Quick connection kit for ringmains						
		32			1 adaptor in/outlet G 1/2	TC P3
		-			G 3/4	TC P34
Jeu de fixation murale et de connexion réseau						
		48	109	91	G 1/2	TC S3
		74	108	90		TC S34
Automatic float drain						
		120			For filters G 1/2 - G 3/4 - G 1	TD F3
Manual drain by drain knob						
					For filter or filter regulator G 1/8 - G 1/4 - G 3/8 - G 1/2 - G 3/4 - G 1	TP F45
Filter cartridge						
					Filter cartridge 25 µ	TF C3
					Filter cartridge 5 µ	TF C305
					Filter cartridge 0.01 µ	TF C301

AIR TREATMENT UNITS

ALTO 4 - G 3/4



PERFORMANCES AND TECHNICAL CHARACTERISTICS

FILTER

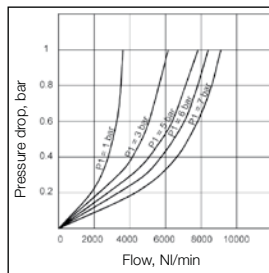
Filter cartridge: Sintered bronze
Filtration: 25 microns
Drain operation: manual by pressing drain knob
Bowl capacity: 165 ml
Weight: 1.4 kg

REGULATOR

Diaphragm operated, relieving type
Pressure compensated by balanced poppet
Pressure gauge port size: G 1/4
Weight: 1.4 kg

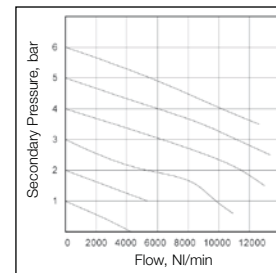
LUBRICATOR

Fog/Mist type
Oil flow adjustment by needle screw
Bowl capacity: 165 ml
Weight: 1.3 kg
Airline oil recommended:
ISO VG 22 - Ref. VAS 2442



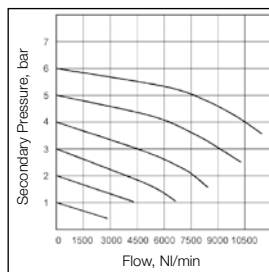
Filter

Supply pressure: 6 bar
 $\Delta P : 0.3 \text{ bar}$



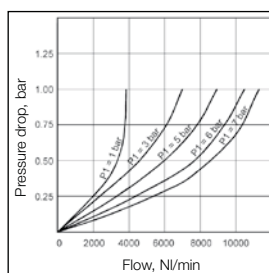
Filter Regulator Lubricator 3-piece set

Supply pressure: 7 bar
Set pressure: 6 bar
Pressure drop:
 $\Delta P : 0.3 \text{ bar}$



Regulator

Supply pressure: 7 bar
Set pressure: 6 bar
Pressure drop:
 $\Delta P : 0.3 \text{ bar}$



Lubricator

Supply pressure: 6 bar
 $\Delta P : 0.5 \text{ bar}$

AIR TREATMENT UNITS

ALTO 4 - G 1



PERFORMANCES AND TECHNICAL CHARACTERISTICS

FILTER

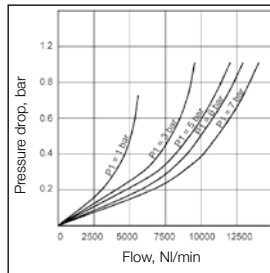
Filter cartridge: Sintered bronze
Filtration: 25 microns
Drain operation: manual by
pressing drain knob
Bowl capacity: 165 ml
Weight: 1.3 kg

REGULATOR

Diaphragm operated,
relieving type
Pressure compensated by
balanced poppet
Pressure gauge port size: G 1/4
Weight: 1.3 kg

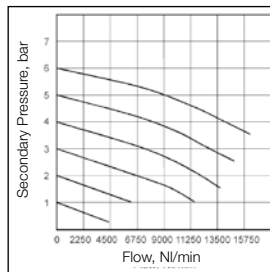
LUBRICATOR

Fog/Mist type
Oil flow adjustment by
needle screw
Bowl capacity: 165 ml
Weight: 1.2 kg
Airline oil recommended:
ISO VG 22 - Ref. VAS 2442



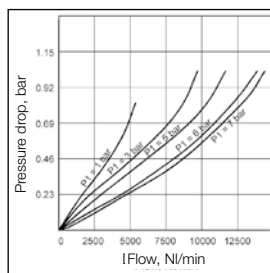
Filter

Supply
pressure: 6 bar
 $\Delta P : 0.3$ bar



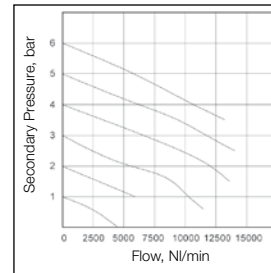
Regulator

Supply
pressure: 7 bar
Set pressure:
6 bar
Pressure drop
 $\Delta P : 0.3$ bar



Lubricator

Supply
pressure: 6 bar
 $\Delta P : 0.5$ bar

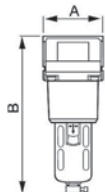
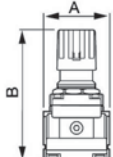
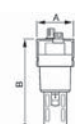
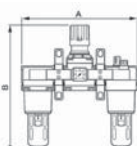
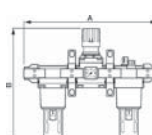


Filter Regulator Lubricator 3-piece set

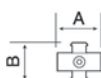
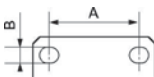
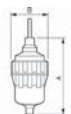
Supply
pressure: 7 bar
Set pressure:
6 bar
Pressure drop
 $\Delta P : 0.3$ bar

ALTO 4

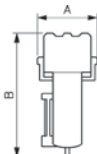
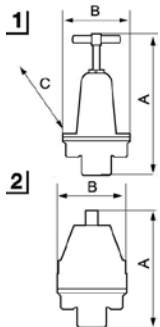
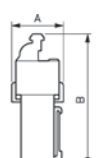
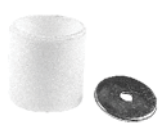
G 3/4 - G 1 COMPRESSED AIR TREATMENT UNITS

Temperature 5 to 60 °C		Construction Aluminium alloy body		Manual drain		Construction Bowl with metallic protection		
		A	B	Flow rate	Filtration μ	Female thread Gas BSP	Max.pressure Maxi in bar	REFERENCE
Filter								
		90	260	5 000	25	G 3/4	12	TF 4
		90	260	6 500	25	G 1	12	TF 5
Regulator								
		Pressure gauge port size: G 1/4						
		90	177	5 000	-	G 3/4	Inlet:15 Outlet: 0.5-15	TR 4
		90	177	6 000	-	G 1	Inlet: 15 Outlet: 0.5-10	TR 5
Lubricator								
		90	273	7 200	-	G 3/4	12	TL 4
		90	273	9 000	-	G 1	12	TL 5
3-piece-set - Filter regulator/lubricator (gauge included)								
		295	360	5 000	25	G 3/4	12	TT SM4
		295	360	6 000	25	G 1	12	TT SM5
3-piece set with wall bracket and quick connections								
		370	360	5 000	25	G 3/4	12	TT PSM4
		370	360	6 000	25	G 1	12	TT PSM5

ALTO 4 - G 3/4 G 1 RANGE ACCESSORIES

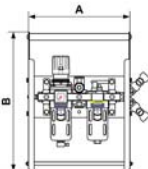
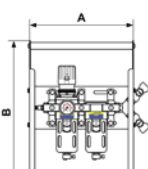
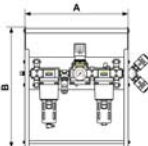
		A	B	DESCRIPTION	REFERENCE
Wall bracket and seal set					
		124		1 set TA S45 for 2 modules 2 sets TA S45 for 3 modules	TA S45
Seal set G 3/4 - G1					
		50	55	1 set for 2 modules 2 sets for 3 modules	TA M45
Wall bracket G 3/4 - G 1					
		66	8.3	For filter and lubricator	TP Q45
		66	11	For regulator or filter regulator	TR Q45
Quick connection kit for ringmains					
		38		1 adaptor in/outlet G 3/4	TC P4
		38		1 adaptor in/outlet G 1	TC P5
Filter element					
				Filter cartridge 25 µ	TF C45
Automatic float drain					
		120		For filters G 1/2 - G 3/4 - G 1	TD F3
Manual drain by drain knob					
				For filter or filter regulator G 1/8 - G 1/4 - G 3/8 - G 1/2 - G 3/4 - G 1	TP F45

ALTO MAX - G 1 1/4 to G 2 1/2

Filtration 40 μ	Temperature 0 to 70°C	Construction Zamac			Thread G 1 1/4 to G 2 1/2		Manual drain		
		A	B	C	Capacity	Flow rate l/min	Pressure	Inlet Outlet	REFERENCE
Alto Max filter with metal bowl									
		132	240		0.48	11 000	17	G 1 1/4	TX F42
		132	240		0.48	11 000	17	G 1 1/2	TX F49
		160	281		0,77	30 000	17	G 2	TX F60
		160	281		0,77	30 000	17	G 2 1/2	TX F76
Alto Max regulator									
					Use with pressure gauge MT RA1050. G 2 and G 2 1/2 regulator-driven models				
		273	127	180	-	12 000	Inlet:21 Outlet:0-9	G 1 1/4	TX RG42
		273	127	180	-	12 000	Inlet:21 Outlet:0-9	G 1 1/2	TX RG49
		310	185	190	-	34 000	Inlet:21 Outlet:0-9	G 2	TX RG60
		330	185	200	-	34 000	Inlet:21 Outlet:0-9	G 2 1/2	TX RG76
Alto Max Lubricator									
		122	286		0.48	14 000	17	G 1 1/4	TX L42
		122	286		0.48	14 000	17	G 1 1/2	TX L49
		140	330		0.77	30 000	17	G 2	TX L60
Filter cartridge									
					40 μ - TX F42 to TX F49				TX CAFG1
					40 μ - TX F60 to TX F76				TX CAFG2
Automatic drain for Alto Max filter									
					Automatic float drain (optional)				MCP 500

AIR TREATMENT UNITS ON GANTRY

Ready to use	Built to last	Simple solution	Fitted with couplings and plug	Easy to handle
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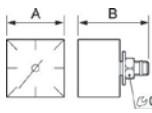
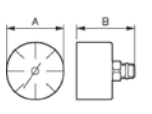
		A	B	Filtration μ	Flow rate max. in l/min	Pressure max. in bar	Outlet Couplings	Female thread BSP Gas	Inlet 1 plug	REFERENCE
Filter-Regulator-Lubricator TB SME3 with gauge and wall bracket for non-lubricated outlet on gantry										
		303	417	25 μ	2 800	12	3 x ISI06 ISO B	G 1/2	1 x IRP 06	PTE IS
		303	417	25 μ	2 800	12	3 x ESI 07 European	G 1/2	1 x ERP 07	PTE ES
		303	417	25 μ	2 800	12	2 x BSI06 British	G 1/2	1 x BRP 06	PTE BS
		303	417	25 μ	2 800	12	3 x ASI06 ARO	G 1/2	1 x ARP 06	PTE AS
Microfilter assembly with regulator (gauge included) on gantry										
		303	417	5 and 0.01 μ	3 000	12	2 x ISI06 ISO B	G 1/2	1 x IRP 06	PTC IS
		303	417	5 and 0.01 μ	3 000	12	2 x ESI 07 European	G 1/2	1 x ERP 07	PTC ES
		303	417	5 and 0.01 μ	3 000	12	2 x BSI06 British	G 1/2	1 x BRP 06	PTC BS
		303	417	5 and 0.01 μ	3 000	12	2 x ASI06 ARO	G 1/2	1 x ARP 06	PTC AS
Filter-Regulator-Lubricator with gauge TT SM4 with a non-lubricated outlet on a gantry										
		448	522,6	25 μ	5 000	12	2 x ISG11 1 x ISI06 ISO B	G 3/4	1 x IRP 11	PTE LIS
		448	522,6	5 μ	5 000	12	2x CSM11 1x CSM08 ISO C	G 3/4	1 x CRP 11	PTE LCM11
Wall bracket for gantry										
				Wall bracket suitable for the 2 models of gantry						
										PT K
Set of 4 casters for gantry										
				4 casters are included						
										PT RL

OIL FOR PNEUMATIC TOOLS

		DESCRIPTION	REFERENCE
Airline oil			
		ISO VG 22 20 CST (centostoke) viscosity at 40°C Aniline point : 100 Recommended for use with rubber, elastomer and other polymers.	
		2-litre container	VAS 2442

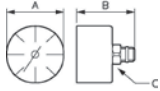
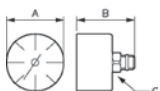
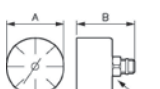
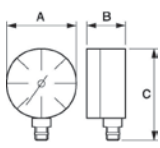
GAUGES

Accuracy ± 2% of max.value	Reading CU SN8 metal Bourdon tube	Temperature -20°C +60°C	Fitting Brass	Instant seal Teflon ferrule
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		A	B	C	DESCRIPTION	REFERENCE
Square gauge 40 x 40 mm - back entry						
					Presealed G 1/8 BSP Gas back entry. Plexiglas dial	
		40	47	14	0 - 4 bar	MT CA0440
		40	47	14	0 - 6 bar	MT CA0640
		40	47	14	0 - 10 bar	MT CA1040
		40	47	14	0 - 16 bar	MT CA1640
Round gauge Ø 23 mm - back entry						
					G 1/8 BSP Gas back entry. Plexiglas dial	
		23	23		0 - 12 bar	MT RA1023

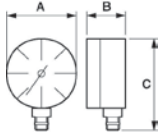
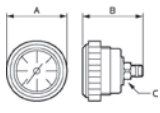
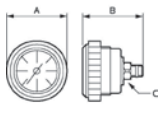
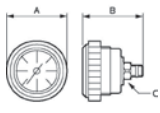
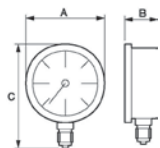
GAUGES

Accuracy ± 2% of max.value	Reading CU SN8 metal Bourdon tube	Temperature -20°C +60°C	Fitting Brass	Instant seal Teflon ferrule
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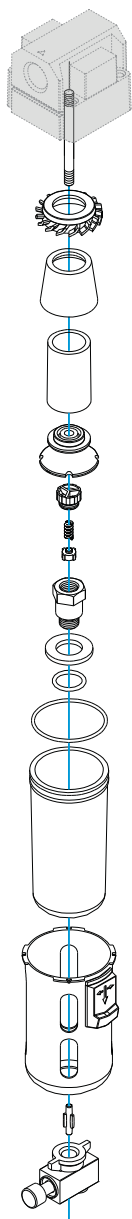
		A	B	C	DESCRIPTION	REFERENCE
Round gauge Ø 40 mm - back entry						
					Presealed G 1/8 BSP Gas back entry. Plexiglas dial	
		40	41	14	0 - 2,5 bar	MT RA0240
		40	41	14	0 - 4 bar	MT RA0440
		40	41	14	0 - 10 bar	MT RA1040
		40	41	14	0 - 16 bar	MT RA1640
Round gauge Ø 50 mm - back entry						
					Presealed G 1/4 BSP Gas back entry. Plexiglas dial	
		50	43	14	0 - 4 bar	MT RA0450
		50	43	14	0 - 10 bar	MT RA1050
		50	43	14	0 - 25 bar	MT RA2550
Round gauge Ø 63 mm - back entry						
					Presealed G 1/4 BSP Gas back entry. Plexiglas dial	
		63	43	14	0 - 2,5 bar	MT RA0263
		63	43	14	0 - 10 bar	MT RA1063
		63	43	14	0 - 16 bar	MT RA1663
Round gauge Ø 50 mm - G 1/8 Gas bottom entry						
					Presealed G 1/8 BSP Gas bottom entry. Plexiglas dial	
		50	67	28	0 - 4 bar	MT RS0450
		50	67	28	0 - 10 bar	MT RS1050

GAUGES

Accuracy ± 2% of max.value	Reading CU SN8 metal Bourdon tube	Temperature -20°C +60°C	Fitting Brass	Instant seal Teflon ferrule
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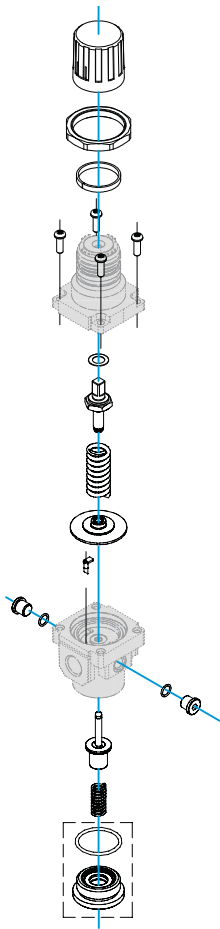
		A	B	C	DESCRIPTION	REFERENCE
Round gauge Ø 50 mm - G 1/4 Gas bottom entry						
					Presealed G 1/4 BSP Gas bottom entry. Plexiglas dial	
		50	67	28	0 - 12 bar	MT RS1250
		50	67	28	0 - 16 bar	MT RS1650
Panel-mount gauge with round collar						
					Presealed G 1/8 BSP Gas back entry.	
		50	49	14	Solvent resistant glass dial Ø 40 mm - 0 - 10 bar	MT IA1040V
Panel-mount gauge with round collar						
					Presealed G 1/8 BSP Gas back entry.	
		60	49	14	Solvent resistant glass dial Ø 50 mm - 0 - 6 bar	MT IA0650V
		60	49	14	Solvent resistant glass dial Ø 50 mm - 0 - 10 bar	MT IA1050V
Panel-mount gauge with round collar						
					Presealed G 1/4 BSP Gas back entry.	
		72	52	14	Solvent resistant glass dial Ø 63 mm - 0 - 10 bar	MT IA1063V
		72	52	14	Solvent resistant glass dial Ø 63 mm - 0 - 16 bar	MT IA1663V
Round glycerine - filled gauge Ø 65 mm						
					G 1/8 BSP Gas bottom entry. Stainless steel housing and ferrule. Specially designed for high vibrations.	
		68	29	89	0 - 16 bar	MT GA1365

FILTER



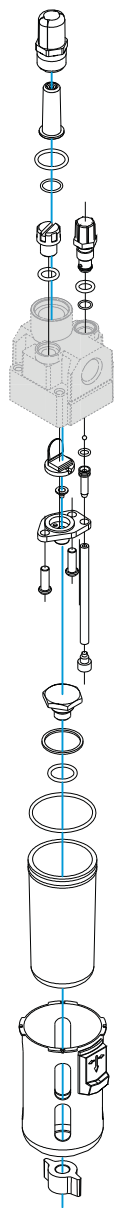
2 kits of spare parts,
see page 339.

REGULATOR



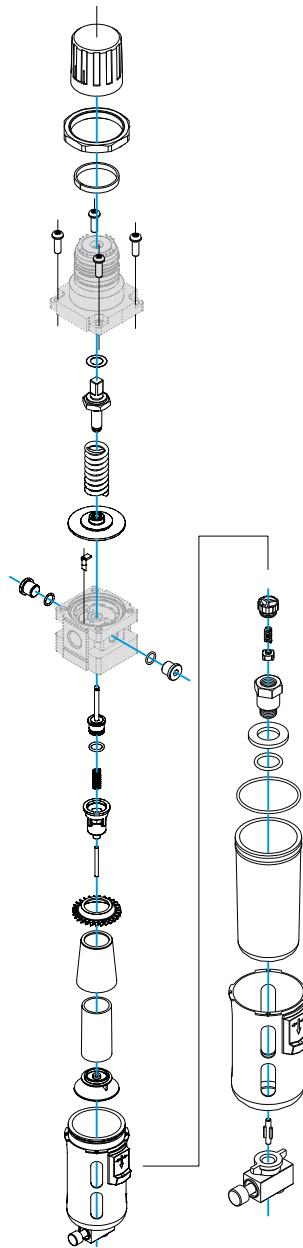
3 kits of spare parts,
see page 340.

LUBRICATOR



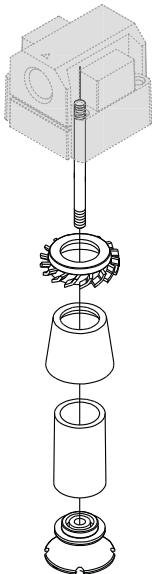
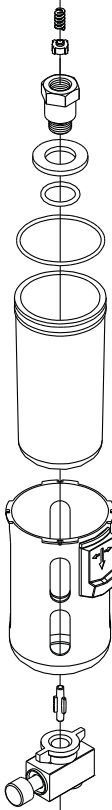
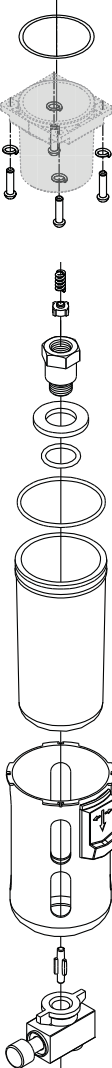
3 kits of spare parts,
see page 341.

FILTER / REGULATOR

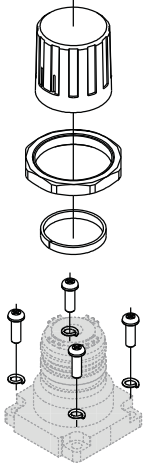
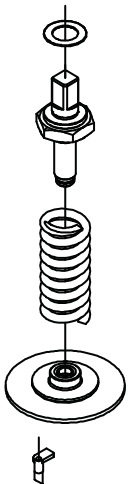
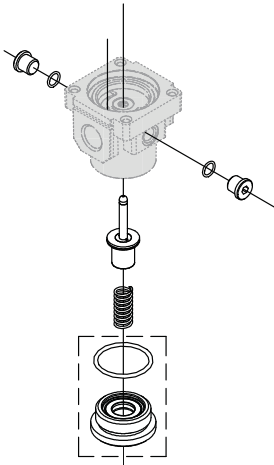
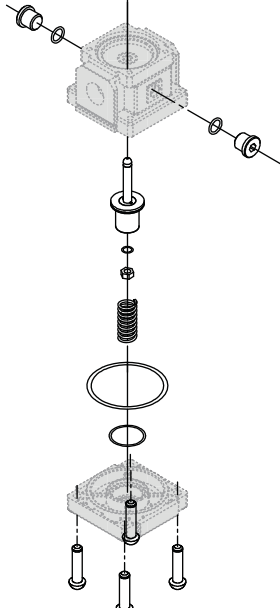


4 kits of spare parts,
see page 342 - 343.

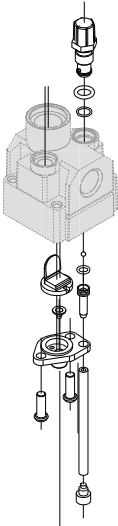
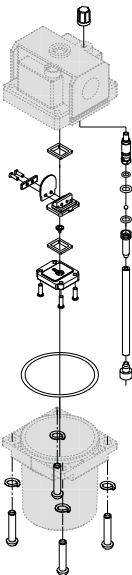
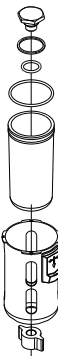
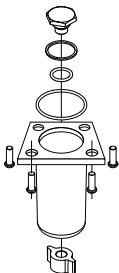
FILTER

	ALTO 1 G 1/8 - G 1/4	ALTO 2 G 3/8	ALTO 3 G 1/2	ALTO 4 G 3/4 - G 1	
	TF 0 - TF 1	TF 2	TF 3	TF 4	TF 5
	TF 1K1	TF 2K1	TF 3K1	TF 45K1	TF 45K1
	TFM 1K2	TFM 2K2	TFM 3K2	TFM 45K2	TFM 45K2
					

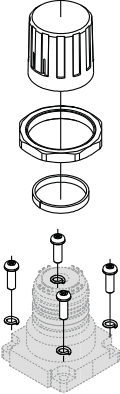
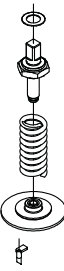
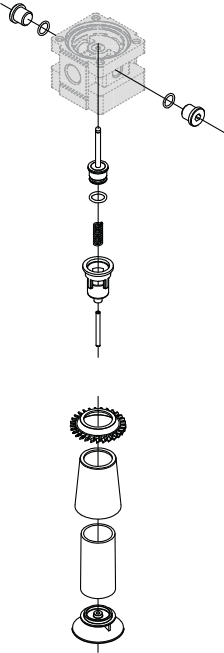
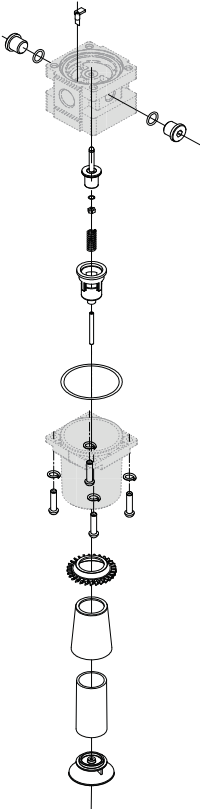
REGULATOR

	ALTO 1 G 1/8 - G 1/4	ALTO 2 G 3/8	ALTO 3 G 1/2		ALTO 4 G 3/4 - G 1	
	TR 0 - TR 1	TR 2	TR 3		TR 4	TR 5
	TRM 1K1	TRM 2K1	TRM 345K1		TR M345K1	TR M345K1
	TF 0 - TF 1	TF 2	TF 3		TR 4	TR 5
	TRM 1K2	TRM 2K2	TRM 3K2		TR M45K2	TR M45K2
	TRB 21		TRB 23			
	0.2 - 2 Bar		0.2 - 2 Bar			
	TRM B21K2		TRM B23K2			
	TRB 41		TRB 43			
	0.2 - 4 Bar		0.2 - 4 Bar			
	TR 0 - TR 1	TR 2	TR 3		TR 4	TR 5
	TR 1K3	TR 2K3	TR 3K3		TR 45K3	TR 45K3

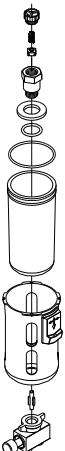
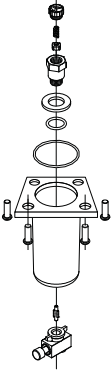
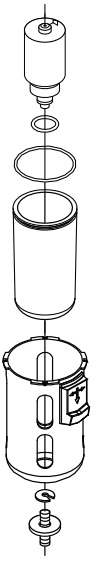
LUBRICATOR

	ALTO 1 G 1/8 - G 1/4	ALTO 2 G 3/8	ALTO 3 G 1/2		ALTO 4 G 3/4 - G 1	
	TL 0 - TL 1	TL 2	TL 3		TL 4	TL 5
	TL 1K1	TL 2K1	TL 345K1		TL 345K1	TL 345K1
	TL 1K2	TL 2K2	TL 3K2		TL 45K2	TL 45K2
	TL 1K3	TL 2K3	TL 345K3		TL 345K3	TL 345K3
			TL A3 <i>Metallic vat</i> TL A3K3			

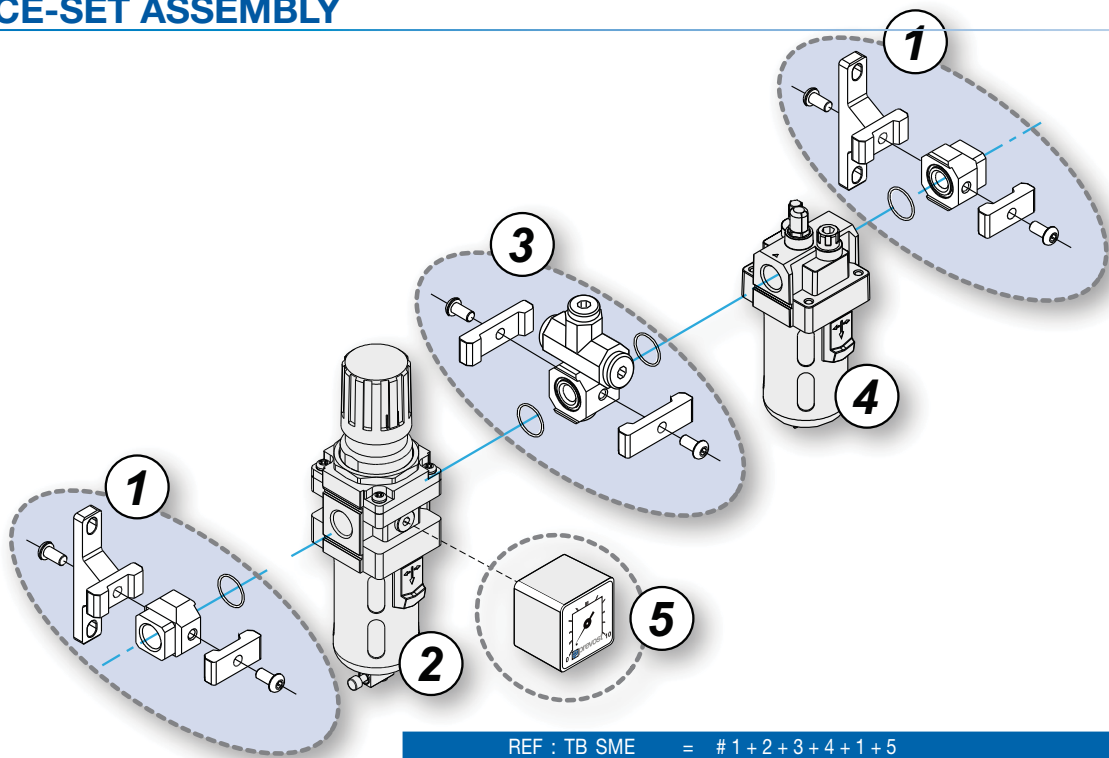
FILTER / REGULATOR

	ALTO 1 G 1/8 - G 1/4	ALTO 2 G 3/8	ALTO 3 G 1/2		ALTO 4 G 3/4 - G 1	
	TM 0 - TM 1	TM 2	TM 3		TM 4	TM 5
	TRM 1K1	TRM 2K1	TRM 345K1		TRM 345K1	TRM 345K1
	TRM 1K2	TRM 2K2	TRM 3K2		TRM 45 K2	TRM 45 K2
	TM 1K3	TM 2K3	TM 3K3		TM 45K3	TM 45K3

FILTER / REGULATOR

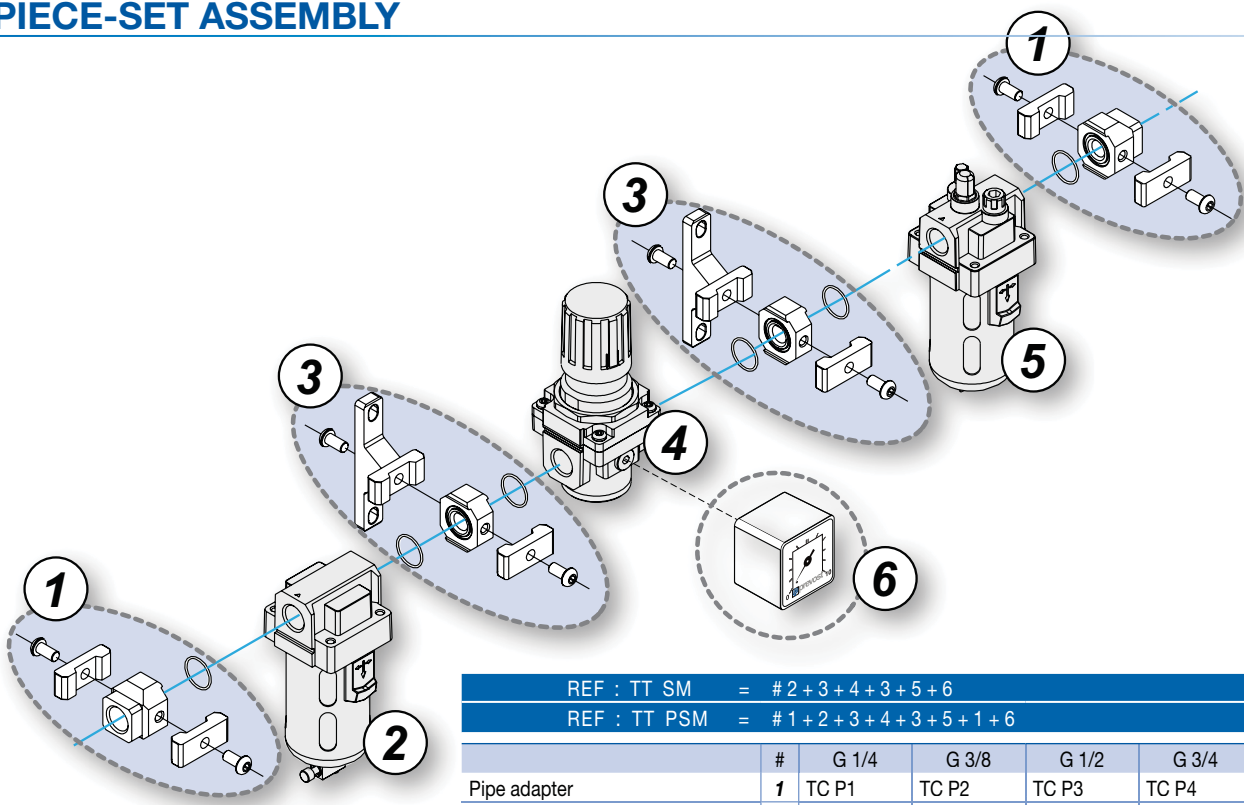
	ALTO 1 G 1/8 - G 1/4	ALTO 2 G 3/8	ALTO 3 G 1/2	ALTO 4 G 3/4 - G 1	
	TM 0 - TM 1	TM 2	TM 3	TM 4	TM 5
	TFM 1K2	TFM 2K2	TFM 3K2	TFM 45K2	TFM 45K2
			TMA 305 <i>Metallic vat</i> TM A305K4		
		TM D2 <i>Filter automatic drain</i>	TM D3		
		TFM D2K4	TFM D3K4		

2-PIECE-SET ASSEMBLY



REF : TB SME = # 1+2+3+4+1+5						
	#	G 1/4	G 3/8	G 1/2	G 3/4	G 1
Wall bracket and pipe adapter kit	1	TC S1	TC S2	TC S3	TC S4	TC S5
Filter Regulator	2	TM 1	TM 2	TM 3	TM 4	TM 5
Outlet Block	3	TE 1	TE 2	TE 3		
Lubricator	4	TL 1	TL 2	TL 3	TL 4	TL 5
Gauge	5	MT CA1040	MT CA1040	MT CA1040	MT RA1663	MT RA1663

3-PIECE-SET ASSEMBLY

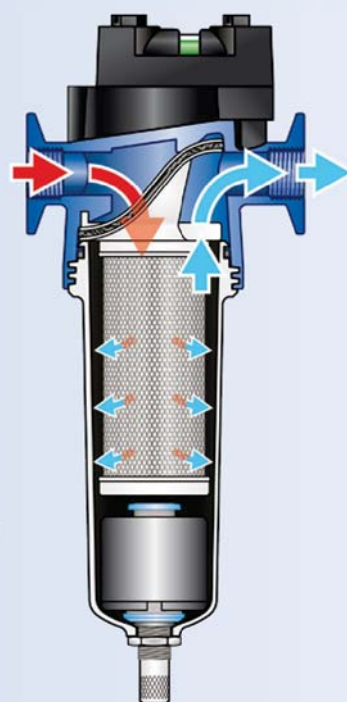


REF : TT SM = # 2+3+4+3+5+6						
REF : TT PSM = # 1+2+3+4+3+5+1+6						
	#	G 1/4	G 3/8	G 1/2	G 3/4	G 1
Pipe adapter	1	TC P1	TC P2	TC P3	TC P4	TCP 5
Filter	2	TF 1	TF 2	TF 3	TF 4	TF 5
Wall mounting bracket kit	3	TA S1	TA S2	TA S3	TA S45	TA S45
Regulator	4	TR 1	TR 2	TR 3	TR 4	TR 5
Lubricator	5	TL 1	TL 2	TL 3	TL 4	TL 5
Gauge	6	MT CA1040	MT CA1040	MT CA1040	MT RA1663	MT RA1663

COALESCING FILTRATION OF AIR

MICRO AIR FILTERS

Micro Air filters eliminate various harmful agents, solid particles, liquid particles and oil aerosols contained in compressed air, with a filtration efficiency greater than **99.999%**. They guarantee high-quality air with low pressure drops.



Micro Air filters are designed and constructed to:

- ▶ Deliver the level of filtration required to ensure quality work
- ▶ Extend element service life
- ▶ Lower pressure drops
- ▶ Ease installation and maintenance

Range of flow rates: 34 m³/h to 2,549 m³/h

G 1/4" to G 3" tapped connections

Micro Air filters are made using **100% silicone-free materials**.

The combination of oil, dust and water in compressed air is extremely corrosive. These contaminants can damage air systems, pneumatic tools, and the resulting quality of work.



1 Quality filter media

The filter element medium consists of several components:

- The **pleated** main medium is made of HEPA-grade borosilicate glass microfibre and has a filtration surface area 4.5 times larger than that of conventional media
- Compared with conventional elements, it reduces pressure drops by 50% and offers 96% more retention capacity
- The bowl guard is made of stainless steel
- The polymer needle felt drainage sleeve ensures **complete coalescence** and is **highly resistant to compressor oils**

2 Easy filter element replacement

- The nitrile seal between the screw-on bowl and the end cap resists even the most aggressive chemicals
- The shoulder inside the end cap prevents rotation and the insertion of elements of other shapes
- Maximum safety: an audible alarm sounds if an attempt is made to remove the bowl under pressure
- The moulded aluminium housing and filter head are protected by a dual-layer coating

3 Patented Venturi filter element

- The specially designed nesting system facilitates turbulence-free flows of air entering and exiting the filter
 - **Smoother** air flows
 - **Optimised flow rate**
 - **Reduced pressure drop**
- The element nests inside the filter head
- The nitrile seal guarantees an airtight push-fit connection, even when subjected to temperature variations or vibrations
- The unique reinforced glass fibre end cap is colour-coded for easy identification of the element grade.
 - **White:** 1 µ filtration
 - **Green:** 0.01 µ filtration
 - **Black:** activated carbon



4 High-accuracy pressure gauges fitted as standard

The pressure gauges indicate pressure drops and enable at-a-glance filter element condition checks.

The needle moves to the red area when the filter element is completely clogged and requires changing (*pressure drop equivalent to at least 400 mb*).

- ▶ Pressure slide indicator **MPI 1**
for G 1/4 to G 3/4 models



- ▶ Differential pressure gauge **MPI 2**
for G 1 to G 3 models



5 Efficient automatic condensate drains

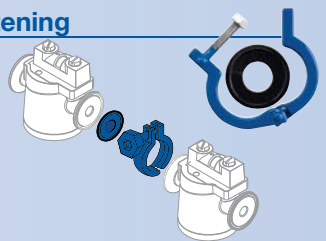
Condensate drainage without any loss of compressed air

- ▶ Automatic float drain **MPD**
for G 1/4 to G 2 models
G 1/8 female port on bowl bottom
- ▶ Electronic level-controlled drain **MPD X3**
for G 2 1/2 to G 3 models G 1/2 female port on bowl bottom



6 Quick assembly and fastening

- ▶ Connector clamp **MPA**
 - Ensures quick, easy connection of filters in series
 - Nitrile side seals ensure a tight fit
- ▶ Wall bracket **MPK**
 - For easy and quick filter installation
 - One bracket required for one filter
 - Two brackets required for two or more filters



Assemblies	MPA assemblies	MPK brackets
G 1/4, G 3/8, G 1/2	MPA 1	MPK 1
G 3/4, G 1	MPA 2	MPK 2
G 1 1/2, G 2	MPA 3	MPK 3
G 2 1/2, G 3	MPA 4	MPK 4



OPERATION

MFM FILTERS

Mechanical filtration

The filter removes suspended particles, traps them in the filter media and directs them into the bowl to be drained.

- ▶ Automatic float drain G 1/4 to G 2 models
- ▶ Electronic level-controlled drain G 2½ to G 3 models

MFM filter:

- Traps all liquid and solid particles of a size greater than **1 µ**
- Removes over 99.999% of solid particles and over 80% of suspended oils
- Ensures a residual oil content of less than 2 mg per m³ at 20°C and 1 bar absolute, **oil content ≤ 0.5 ppm**
- Quality classes
 - Particles: Class 2
 - Oil: Class 4

MFM microfilter applications:

- General preparation at the head-end of the system
- Prefiltration for submicron filters
- Postfiltration for adsorption dryers (*dust filter*)



Model
G 3/4 to G 1

MFB FILTERS

Submicron coalescing filtration

Coalescing filtration consists of two phases.

- In the first phase, contaminants are mechanically separated and solid particles of a particular size are trapped.
 - In the second phase, fine droplets of oil and water suspended in the air flow are mixed together, or coalesced. This coalescence phase is carried out by the sleeve, which discharges the mixture to the drain at the bottom of the filter.
- ▶ Automatic float drain G 1/4 to G 2 models
 - ▶ Electronic level-controlled drain G 2½ to G 3 models

MFB submicron filter:

- Traps all liquid and solid particles of a size greater than **0.01 µ**
- Removes over 99.999% of solid particles and over 99.9% of suspended oils
- Ensures a residual oil content of less than 0.01 mg per m³ at 20°C and 1 bar absolute, **oil content ≤ 0.01 ppm**
- Quality classes:
 - Particles: Class 1
 - Oil: Class 1

MFB submicron filter applications:

- Prefilter for membrane dryers
- Prefilter for activated carbon filters
- Prefilter for adsorption dryers
- Breathing air purification systems
- Compressed air for paint spraying



Model
G 3/4 to G 1

MFC FILTERS

Activated carbon filtration

Odours and tastes are concentrated and absorbed on the surface of the activated carbon filter.

MFC filter:

- Traps solid particles of a size greater than **0.01 µ**
- Ensures a residual oil content of less than 0.004 mg per m³ (*oil vapour*) at 20°C and 1 bar absolute, **oil content ≤ 0.003 ppm**
- Eliminates odours carried by the air flow
- Quality classes:
 - Particles: Class 1
 - Oil: Class 1

MFC activated carbon filter applications:

- Contact with food products
- Contact with pharmaceutical products
- Air used for technical and testing purposes
- Compressed air for paint spraying (HVLPP)
- Breathing air purification systems



Model
G 3/4 to G 1

*A submicron oil removal prefilter must be fitted upstream of the activated carbon filter.
The activated carbon filter element must be changed when the submicron prefilter element is changed.
This filter does not remove methane, carbon monoxide, carbon dioxide and other toxic gases and vapours.*

TECHNICAL SPECIFICATIONS

Filter types Properties	MFM filters Mechanical filtration	MFB filters Submicron coalescing filtration	MFC filters Activated carbon - Adsorption filtration
Particle size*	1 µ	0.01 µ	0.01 µ
ISO 8573-1:2009 air quality class	Solid particles: 2 Oil: 4	Solid particles: 1 Oil: 1	Solid particles: 1 Oil: 1
Particle retention	99.999 %	99.999 %	99.999 %
Oil retention	80 %	99.9 %	-
Residual oil content at 20°C and 1 bar absolute	2 mg/m³	<0.01 mg/m³	<0.004 mg/m³ (oil vapour)
Residual oil content in ppm	≤ 0.5 ppm	≤ 0.01 ppm	≤ 0.003 ppm
Min./max. temperature	1°C to 66°C	1°C to 66°C	1°C to 66°C
Minimum working pressure	2 bar	2 bar	2 bar
Maximum operating pressure	16 bar 11 bar from G 2½ model	16 bar 11 bar from G 2½ model	16 bar 11 bar from G 2½ model
Inlet differential pressure: Δ P Dry air Δ P Wetted air	0.04 bar 0.1 bar	0.04 bar 0.12 bar	0.07 bar -
Element colour	White	Green	Black
Condensate draining	Automatic float drain, Electronic drain from G 2½ model	Automatic float drain, Electronic drain from G 2½ model	-
Filter element replacement	Replacement frequency: once every 6,000 hours or once a year Replace if 400 mb differential pressure registered	Replacement frequency: once every 3,000 hours or once a year Replace if 400 mb differential pressure registered	Replacement frequency: once every 1,000 hours or once a year Replace prefilter at same time (at 20°C air inlet temp.)

*Liquid particles of 0.01 µ to 5 µ - Oil inlet concentration: 10 mg/m³

- The Micro Air line is tested and certified to ISO 12500
- The stated values were measured in accordance with ISO 12500 (parts 1, 2 and 3)
- The air quality classes are those defined in ISO 8573-1:2009

Correction factors:

The handled flow rates stated for the **MFM**, **MFB** and **MFC** ranges are for a system pressure of **7 bar**.

The correction factors to be applied for different system pressures are given in the table below.

Pressure (bar)															
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
0.38	0.52	0.63	0.75	0.88	1	1.13	1.26	1.38	1.52	1.65	1.76	1.87	2	2.14	
Correction factor															

FILTRATION ASSEMBLIES

FOR BODY SHOPS: **MBR – MBC – MBCR**

To obtain a quality paint finish, air must be free of dust, oil and silicone.

Special filtration assemblies for water-based paint spray guns:

- Excellent filtration for quality paint finishes
- Contaminants flushed out by automatic float drain
- Assemblies delivered sealed with:
 - wall bracket
 - air outlet quick couplings

Depending on the model:

- pressure regulator with pressure gauge
- activated carbon filter

The regulator adjusts the pressure supplied to the gun.

It is fitted with a pressure gauge with a glass dial for protection against damage from solvents or other diluents.

New waterborne paints are highly sensitive to contaminants such as water, oil vapour and fine dust. Activated carbon is the best way to handle these contaminants and eliminate them down to residual levels of 0.004 mg/m³ of air.



MBR



MBC



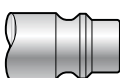
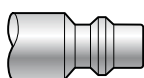
MBCR

Assemblies with couplings

Available with the following coupling profiles:

ISO B

7.2, 7.4 mm

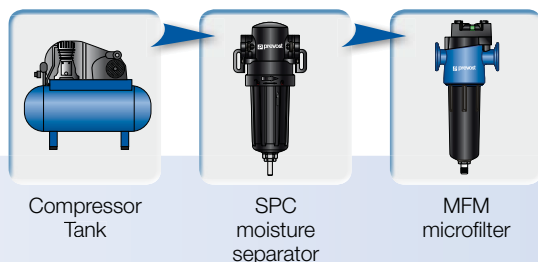


- antistatic
- silicone-free
- ATEX 2
- no-scratch
- anti-hose whip
- lightweight, high flow

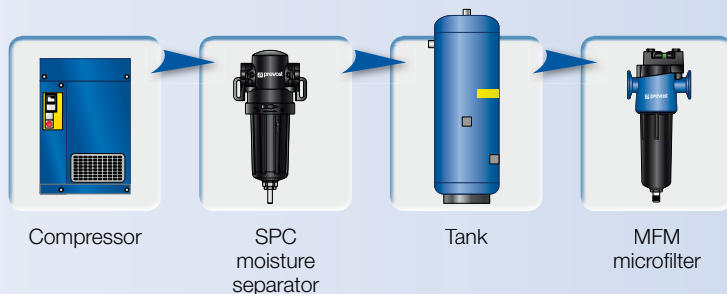
*To avoid any risk of contamination between the filters and the spray guns, install the MBR and MBCR filtration assemblies as close to paint booths as possible.
They may be installed directly inside paint booths.*

APPLICATIONS

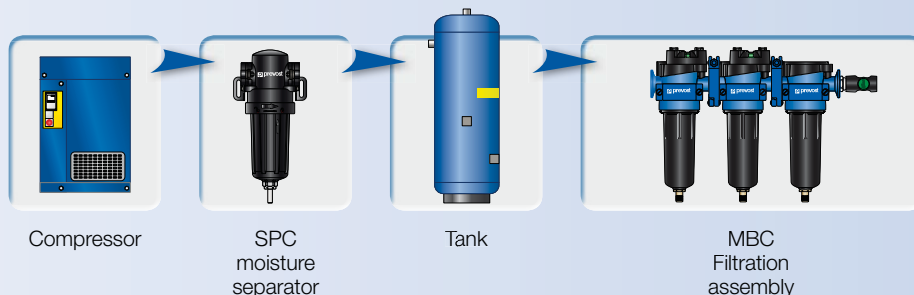
Typical standard shops



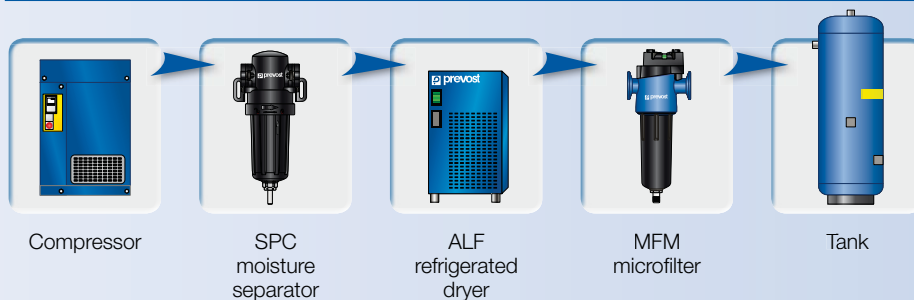
Standard small-industry and auto repair shops



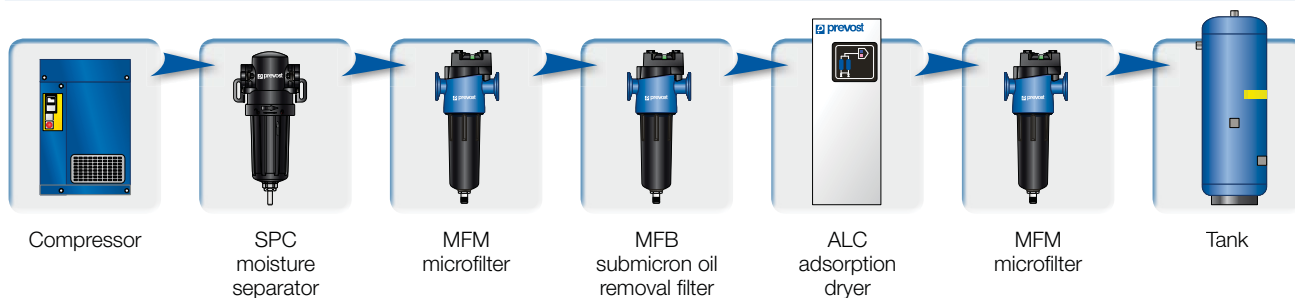
Paint and body shops



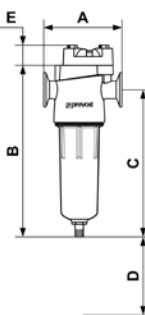
Protection of refrigerated dryers/Storage of dry, dust-free air



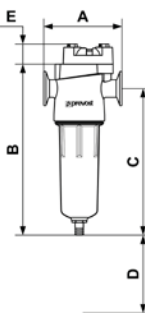
Protection of adsorption dryers/Storage of air free of dust, water and oil



MFM SERIES - MICRON FILTER

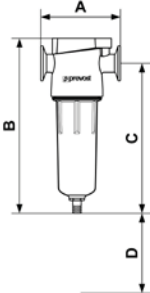
Filtration 1 μ		Efficient 99,999 %					Clog indicator		Pressure P.N. 16 bar	
		A	B	C	D	E	Flow rate at 7 bar m ³ /h	Female thread	Replacement filter cartridge	REFERENCE
MFM basic filtration - Filtration threshold : 1 μ										
							Filtration threshold : 1 μ Residual oil content < 0,5ppm			
		113,6	205,5	171,4	102,0	30,0	34	G 1/4	MFMC 101	MFM 101
		113,6	205,5	171,4	102,0	30,0	59	G 3/8	MFMC 102	MFM 102
		113,6	252,0	216,4	102,0	30,0	85	G 1/2	MFMC 103	MFM 103
		132,0	262,1	219,8	127,0	30,0	127	G 3/4	MFMC 104	MFM 104
		132,0	262,1	219,8	127,0	30,0	175	G 3/4	MFMC 105	MFM 105
		132,0	326,1	238,8	127,0	60,0	267	G 1	MFMC 106	MFM 106
		200,0	336,7	276,1	178,0	60,0	437	G 1 1/2	MFMC 107	MFM 107
		200,0	433,7	373,1	178,0	60,0	612	G 1 1/2	MFMC 108	MFM 108
		200,0	566,0	505,4	178,0	60,0	681	G 2	MFMC 109	MFM 109
		230,8	634,4	550,0	204,0	60,0	993	G 2 1/2	MFMC 110	MFM 110
		230,8	634,4	550,0	204,0	60,0	1317	G 2 1/2	MFMC 111	MFM 111
		230,8	634,4	550,0	204,0	58,0	1750	G 2 1/2	MFMC 112	MFM 112
		230,8	817,1	732,7	204,0	60,0	2039	G 3	MFMC 113	MFM 113
		230,8	1085,1	1000,7	204,0	60,0	2549	G 3	MFMC 114	MFM 114

MFB SERIES - SUB-MICRON FILTER

Efficient 99,999 %		Filtration 0,01 μ		Clog indicator		Pressure P.N. 16 bar				
		A	B	C	D	E	Flow rate at 7 bar m³/h	Female thread	Replacement filter cartridge	REFERENCE
MFB Submicron filter - Coalescing filter 0.01 μ										
							Filtration threshold : 0,01 μ Residual oil content < 0,01 ppm			
		113,6	205,5	171,4	102,0	30,0	34	G 1/4	MFBC 201	MFB 201
		113,6	205,5	171,4	102,0	30,0	59	G 3/8	MFBC 202	MFB 202
		113,6	252,0	216,4	102,0	30,0	85	G 1/2	MFBC 203	MFB 203
		132,0	262,1	219,8	127,0	30,0	127	G 3/4	MFBC 204	MFB 204
		132,0	262,1	219,8	127,0	30,0	175	G 3/4	MFBC 205	MFB 205
		132,0	326,1	238,8	127,0	60,0	267	G 1	MFBC 206	MFB 206
		200,0	336,7	276,1	178,0	60,0	437	G 1 1/2	MFBC 207	MFB 207
		200,0	433,7	373,1	178,0	60,0	612	G 1 1/2	MFBC 208	MFB 208
		200,0	566,0	505,4	178,0	60,0	681	G 2	MFBC 209	MFB 209
		230,8	634,4	550,0	204,0	60,0	993	G 2 1/2	MFBC 210	MFB 210
		230,8	634,4	550,0	204,0	60,0	1317	G 2 1/2	MFBC 211	MFB 211
		230,8	634,4	550,0	204,0	60,0	1750	G 2 1/2	MFBC 212	MFB 212
		230,8	817,1	732,7	204,0	60,0	2039	G 3	MFBC 213	MFB 213
		230,8	1085,1	1000,7	204,0	60,0	2549	G 3	MFBC 214	MFB 214

MFC SERIES - ACTIVATED CARBON FILTER

Adsorbs and eliminates odours, tastes and oil vapour	Efficient 99,999 %	Pressure P.N. 16 bar	Oil separation 0,004 mg / m3
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		A	B	C	D	Flow rate at 7 bar m³/h	Female thread	Replacement filter cartridge	REFERENCE
MFC activated carbon filtration									
						Filters and deodorises compressed air For use with MFM - MFB upline Oil separation: 0,003 ppm			
		113,6	205,5	171,4	102,0	34	G 1/4	MFCC 301	MFC 301
		113,6	205,5	171,4	102,0	59	G 3/8	MFCC 302	MFC 302
		113,6	252,0	216,4	102,0	85	G 1/2	MFCC 303	MFC 303
		132,0	262,1	219,8	127,0	127	G 3/4	MFCC 304	MFC 304
		132,0	262,1	219,8	127,0	175	G 3/4	MFCC 305	MFC 305
		132,0	326,1	238,8	127,0	267	G 1	MFCC 306	MFC 306
		200,0	336,7	276,1	178,0	437	G 1 1/2	MFCC 307	MFC 307
		200,0	433,7	373,1	178,0	612	G 1 1/2	MFCC 308	MFC 308
		200,0	566,0	505,4	178,0	681	G 2	MFCC 309	MFC 309
		230,8	634,4	550,0	204,0	993	G 2 1/2	MFCC 310	MFC 310
		230,8	634,4	550,0	204,0	1317	G 2 1/2	MFCC 311	MFC 311
		230,8	634,4	550,0	204,0	1750	G 2 1/2	MFCC 312	MFC 312
		230,8	817,1	732,7	204,0	2039	G 3	MFCC 313	MFC 313
		230,8	1085,1	1000,7	204,0	2549	G 3	MFCC 314	MFC 314

ACCESSORIES AND PARTS

		DESCRIPTION	REFERENCE
Assembly kit			
		For filters G 1/4 to G 1/2	MPA 1
		For filters G 3/4 to G 1	MPA 2
		For filters G 1 1/2 to G 2	MPA 3
		For filters G 2 1/2 to G 3	MPA 4
		Seal for MPA 1 assembly kit	MPA J1
		Seal for MPA 2 assembly kit	MPA J2
		Seal for MPA J3 assembly kit	MPA J3
		Seal for MPA J4 assembly kit	MPA J4

ACCESSORIES AND PARTS

		DESCRIPTION	REFERENCE
Wall bracket			
		For filters G 1/4 to G 1/2	MPK 1
		For filters G 3/4 to G 1	MPK 2
		For filters G 1 1/2 to G 2	MPK 3
		For filters G 2 1/2 to G 3	MPK 4
Spare parts: Float drain			
		For filters G 1/4 to G 2	MPD
Spare part: Electric drain			
		For filters G 2 1/2 to G 3	MPD X3
		Maintenance kit for electric drain	MPD X3KIT
Spare parts: Clog indicator			
		Clogging indicator for filters G 1/4 to G 3/4	MPI 1
		Differential pressure gauge for filters G 1 to G 3	MPI 2

COMBINATION FILTER / REGULATOR

Efficient 99,999%	With coupling	Dual-stage filtration 1µ - 0.01µ	Clog indicator	Automatic drain	Use Painting	Pressure 2 - 12 bar
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		Flow rate in m3/h at 7 bar	Pressure nominal in bar	Female thread BSP Gas	With coupling	REFERENCE
Combination filter regulator						
		Combination fitted sealed with : - 1 MFM micron filter - 1 µ - 1 MFB sub-micron filter- 0,01 µ - 1 regulator with gauge - 1 safety quick coupling - 1 wall bracket Filter-regulator unit eliminates silicon cratering, microbubbles, and other surface defects, ensuring quality spray painting.				
		50	2 - 12	G 3/8	ISI 06	MBR 38IS
		59	2 - 12	G 3/8	ESI 07	MBR 38ES
		50	2 - 12	G 3/8	CSI 06	MBR 38CS
		50	2 - 12	G 3/8	BSI 06	MBR 38BS
		50	2 - 12	G 1/2	ISI 06	MBR 12IS
		85	2 - 12	G 1/2	ESI 07	MBR 12ES
		50	2 - 12	G 1/2	CSI 06	MBR 12CS
		45	2 - 12	G 1/2	BSI 06	MBR 12BS
		Combination filter regulator				
		Combination fitted sealed with : - 1 MFM micron filter - 1 µ - 1 MFB sub-micron filter- 0,01 µ - 1 MFC activated carbon filter - Efficiency : 99.999 % Oil separation : 0.004 mg/m3 - 1 wall bracket - 1 Safety quick-coupling Filter-regulator unit eliminates silicon cratering, microbubbles, and other surface defects, ensuring quality spray painting.				
		50	2 - 12	G 1/2	ISI 06	MBC 12IS
		85	2 - 12	G 1/2	ESI 07	MBC 12ES
		45	2 - 12	G 1/2	BSI 06	MBC 12BS
		Combination Submicron filters				
		Combination fitted sealed with : - 1 MFM micron filter - 1 µ - 1 MFB sub-micron filter- 0,01 µ - 1 MFC activated carbon filter - Efficiency : 99.999 % Oil separation : 0.004 mg/m3 - 1 regulator with gauge - 1 wall bracket - 2 safety quick-couplings Filter regulator unit eliminates silicon cratering, microbubbles, and other surface defects, ensuring quality spray painting.				
		59	2 - 12	G 3/8	ISI 06	MBCR 38IS
		59	2 - 12	G 3/8	ESI 07	MBCR 38ES
		59	2 - 12	G 3/8	CSI 06	MBCR 38CS
		59	2 - 12	G 3/8	BSI 06	MBCR 38BS
		85	2 - 12	G 1/2	ISI 06	MBCR 12IS
		85	2 - 12	G 1/2	ESI 07	MBCR 12ES
		85	2 - 12	G 1/2	CSI 06	MBCR 12CS
		85	2 - 12	G 1/2	BSI 06	MBCR 12BS

REPLACEMENT FILTER CARTRIDGE FOR MAM - MAS - MAC SUB-MICRON FILTERS

Treatment capacity High level		Temperature for use : 0 to 65°		Filtration High efficiency	
		Flow rate	Female thread	Filter reference	REFERENCE
Replacement cartridge for MAM basic filtration					
		30	1/4"	MAM 101	MCAM 101
		60	3/8"	MAM 102	MCAM 102
		120	1/2"	MAM 103	MCAM 103
		180	3/4"	MAM 104	MCAM 104
		300	1"	MAM 105	MCAM 105
		450	1" 1/4	MAM 106	MCAM 106
		720	1" 1/2	MAM 107	MCAM 107
		950	2"	MAM 108	MCAM 108
		1350	2"	MAM 109	MCAM 109
		1800	3"	MAM 110	MCAM 110
		2500	3"	MAM 111	MCAM 111
Replacement cartridge for MAS submicron filter					
		30	1/4"	MAS 201	MCAM 201
		60	3/8"	MAS 202	MCAM 202
		120	1/2"	MAS 203	MCAM 203
		180	3/4"	MAS 204	MCAM 204
		300	1"	MAS 205	MCAM 205
		450	1" 1/4	MAS 206	MCAM 206
		720	1"1/2	MAS 207	MCAM 207
		950	2"	MAS 208	MCAM 208
		1350	2"	MAS 209	MCAM 209
		1800	3"	MAS 210	MCAM 210
		2500	3"	MAS 211	MCAM 211
Replacement cartridge for MAC activated carbon filtration					
		30	1/4"	MAC 301	MCAM 301
		60	3/8"	MAC 302	MCAM 302
		120	1/2"	MAC 303	MCAM 303
		180	3/4"	MAC 304	MCAM 304
		300	1"	MAC 305	MCAM 305
		450	1" 1/4	MAC 306	MCAM 306
		720	1"1/2	MAC 307	MCAM 307
		950	2"	MAC 308	MCAM 308
		1350	2"	MAC 309	MCAM 309
		1800	3"	MAC 310	MCAM 310
		2500	3"	MAC 311	MCAM 311

FILTER CARTRIDGE FOR FAM - FAS - FAC SUB-MICRON FILTERS

Treatment capacity High level		Temperature for use : 0 to 65°		Filtration High efficiency	
		Thread filter	Filter reference	REFERENCE	
Filtration 1 micron					
		3/8"	FAM 101	FCAF 101	
		1/2"	FAM 102	FCAF 102	
		1/2"	FAM 103	FCAF 103	
		1/2"	FAM 104	FCAF 104	
		3/4"	FAM 105	FCAF 105	
		1"	FAM 106	FCAF 106	
		1"	FAM 107	FCAF 107	
		1" 1/4	FAM 108	FCAF 108	
		1" 1/4	FAM 109	FCAF 109	
		1" 1/2	FAM 110	FCAF 110	
		2"	FAM 111	FCAF 111	
		2"	FAM 112	FCAF 112	
		2"	FAM 113	FCAF 113	
		3"	FAM 114	FCAF 114	
Filtration 0,01 micron					
		3/8"	FAS 201	FCAF 201	
		1/2"	FAS 202	FCAF 202	
		1/2"	FAS 203	FCAF 203	
		1/2"	FAS 204	FCAF 204	
		3/4"	FAS 205	FCAF 205	
		1"	FAS 206	FCAF 206	
		1"	FAS 207	FCAF 207	
		1" 1/4	FAS 208	FCAF 208	
		1" 1/4	FAS 209	FCAF 209	
		1" 1/2	FAS 210	FCAF 210	
		2"	FAS 211	FCAF 211	
		2"	FAS 212	FCAF 212	
		2"	FAS 213	FCAF 213	
		3"	FAS 214	FCAF 214	
Activated carbon filter					
		3/8"	FAC 301	FCAF 301	
		1/2"	FAC 302	FCAF 302	
		1/2"	FAC 303	FCAF 303	
		1/2"	FAC 304	FCAF 304	
		3/4"	FAC 305	FCAF 305	
		1"	FAC 306	FCAF 306	
		1"	FAC 307	FCAF 307	
		1" 1/4	FAC 308	FCAF 308	
		1" 1/4	FAC 309	FCAF 309	
		1" 1/2	FAC 310	FCAF 310	
		2"	FAC 311	FCAF 311	
		2"	FAC 312	FCAF 312	

REPLACEMENT FILTER CARTRIDGE FOR SUB-MICRON FILTERS

		Thread	Filter reference Prevost	Compatible Zander	Compatible Creysensac	REFERENCE
Filtration 0,01 micron - Grade V (Blue)						
		1/4"	Micro F13V	1/1050V	213061-13	MCAF 13V
		3/8"	Micro F17V	1/1070V	213062-13	MCAF 17V
		1/2"	Micro F21V	1/1140V	213063-13	MCAF 21V
		3/4"	Micro F27V	1/2010V	213064-13	MCAF 27V
		1"	Micro F34V	1/2020V	213065-13	MCAF 34V
		1" 1/2	Micro F491V	1/2030V	213046-13	MCAF 491V
		1" 1/2	Micro F492V	1/2050V	213066-13	MCAF 492V
		2"	Micro F601V	1/3050V	213067-13	MCAF 601V
		2"	Micro F602V	1/3075V	213068-13	MCAF 602V
		DN 80	Micro F90V	1/5075V		MCAF 90V
Filtration 1 micron - Grade Z (green)						
		1/4"	Micro F13Z	1/1050Z	213069-13	MCAF 13Z
		3/8"	Micro F17Z	1/1070Z	213070-13	MCAF 17Z
		1/2"	Micro F21Z	1/1140Z	213071-13	MCAF 21Z
		3/4"	Micro F27Z	1/2010Z	213072-13 / 213225-13	MCAF 27Z
		1"	Micro F34Z	1/2020Z	213073-13 / 213226-13	MCAF 34Z
		1" 1/2	Micro F491Z	1/2030Z	213074-13 / 213227-13	MCAF 491Z
		1" 1/2	Micro F492Z	1/2050Z	213048-13	MCAF 492Z
		2"	Micro F601Z	1/3050Z	213075-13 / 213229-13	MCAF 601Z
		2"	Micro F602Z	1/3075Z	213076-13	MCAF 602Z
		DN 80	Micro F90Z	1/5075Z		MCAF 90Z
Filtration 0,01 micron - Grade X (red)						
		1/4"	Micro F13X	1/1050X	213077-13	MCAF 13X
		3/8"	Micro F17X	1/1070X	213078-13	MCAF 17X
		1/2"	Micro F21X	1/1140X	213079-13	MCAF 21X
		3/4"	Micro F27X	1/2010X	213080-13 / 213240-13	MCAF 27X
		1"	Micro F34X	1/2020X	213081-13	MCAF 34X
		1" 1/2	Micro F491X	1/2030X	213047-13	MCAF 491X
		1" 1/2	Micro F492X	1/2050X	213049-13 / 213243-13	MCAF 492X
		2"	Micro F601X	1/3050X	213082-13 / 213244-13	MCAF 601X
		2"	Micro F602X	1/3075X	213083-13	MCAF 602X
		DN 80	Micro F90X	1/5075X		MCAF 90X
Activated carbon filter - Grade A						
		1/4"	Micro SA1	1/1050A	213084-13	MCAF SA1
		3/8"	Micro SA2	1/1070A	213085-13	MCAF SA2
		1/2"	Micro SA4	1/1140A	213086-13	MCAF SA4
		3/4"	Micro SA6	1/2010A	213087-13	MCAF SA6
		1"	Micro SA8	1/2020A	213088-13 / 213256-13	MCAF SA8
		1" 1/2	Micro SA10	1/2030A	213089-13	MCAF SA10
		1" 1/2	Micro SA15	1/2050A	213090-13	MCAF SA15
		2"	Micro SA16	1/3050A	213091-13	MCAF SA16
		2"	Micro SA18	1/3075A	213092-13	MCAF SA18

REPLACEMENT FILTER CARTRIDGE FOR SUB-MICRON FILTERS

		Compatible Deltach	Compatible Creysensac	Thread filter	Filter reference	REFERENCE
Serie PFD - Filtration 1 micron (green)						
		850 PFD	113-471-13	1/4"	MCM 101	MCAF 101
		851 PFD	113-472-13	1/2"	MCM 102	MCAF 102
		852 PFD	113-473-13	1/2"	MCM 103	MCAF 103
		870 PFD	113-474-13	3/4"	MCM 104	MCAF 104
		871 PFD	113-475-13	1"	MCM 105	MCAF 105
		872 PFD	113-476-13	1"	MCM 106	MCAF 106
		8101 PFD	113-477-13	1"	MCM 107	MCAF 107
		8102 PFD	113-478-13	2"	MCM 108	MCAF 108
		8111 PFD	113-480-13	2"	MCM 109	MCAF 109
		8113 PFD	113-479-13	2"	MCM 110	MCAF 110
Serie CFD - Activated carbon filter						
		850 CFD	113-462-13	1/4"	MCC 301	MCAF 301
		853 CFD	113-463-13	1/2"	MCC 302	MCAF 302
		854 CFD	113-464-13	1/2"	MCC 303	MCAF 303
		873 CFD	113-465-13	3/4"	MCC 304	MCAF 304
		874 CFD	113-466-13	1"	MCC 305	MCAF 305
		875 CFD	113-467-13	1"	MCC 306	MCAF 306
		8105 CFD	113-468-13	1" 1/2	MCC 307	MCAF 307
		8112 CFD	113-469-13	2"	MCC 308	MCAF 308
		8121 CFD	113-470-13	2"	MCC 309	MCAF 309
Serie HFD - Filtration 0,01 micron (blue)						
		850 HFD	113-481-13	1/4"	MCS 201	MCAF 201
		851 HFD	113-482-13	1/2"	MCS 202	MCAF 202
		852 HFD	113-483-13	1/2"	MCS 203	MCAF 203
		870 HFD	113-484-13	3/4"	MCS 204	MCAF 204
		871 HFD	113-485-13	1"	MCS 205	MCAF 205
		872 HFD	113-486-13	1"	MCS 206	MCAF 206
		8101 HFD	113-487-13	1" 1/2	MCS 207	MCAF 207
		8102 HFD	113-488-13	2"	MCS 208	MCAF 208
		8111 HFD	113-490-13	2"	MCS 209	MCAF 209
		8113 HFD	113-489-13	2"	MCS 210	MCAF 210

REPLACEMENT FILTER CARTRIDGE FOR SUB-MICRON FILTERS

		Compatible Ultrafilter	REFERENCE
Serie 90 - Filtration 0,03 mg/m3 - Grade MF(blue)			
		MF 02/05	MUF 0205
		MF 03/05	MUF 0305
		MF 03/10	MUF 0310
		MF 04/10	MUF 0410
		MF 04/20	MUF 0420
		MF 05/20	MUF 0520
		MF 05/25	MUF 0525
		MF 07/25	MUF 0725
		MF 07/30	MUF 0730
		MF 10/30	MUF 1030
		MF 15/30	MUF 1530
		MF 20/30	MUF 2030
		MF 30/30	MUF 3030
		MF 30/50	MUF 3050
Serie 90 - Filtration 0,01 mg/m3 - Grade SMF (red)			
		SMF 02/05	MUS 0205
		SMF 03/05	MUS 0305
		SMF 03/10	MUS 0310
		SMF 04/10	MUS 0410
		SMF 04/20	MUS 0420
		SMF 05/20	MUS 0520
		SMF 05/25	MUS 0525
		SMF 07/25	MUS 0725
		SMF 07/30	MUS 0730
		SMF 10/30	MUS 1030
		SMF 15/30	MUS 1530
		SMF 20/30	MUS 2030
		SMF 30/30	MUS 3030
		SMF 30/50	MUS 3050
Serie 90 - Activated carbon filter - 0,003 ppm - Grade AK			
		AK 02/05	MUC 0205
		AK 03/05	MUC 0305
		AK 03/10	MUC 0310
		AK 04/10	MUC 0410
		AK 04/20	MUC 0420
		AK 05/20	MUC 0520
		AK 05/25	MUC 0525
		AK 07/25	MUC 0725
		AK 07/30	MUC 0730
		AK 10/30	MUC 1030
		AK 15/30	MUC 1530
		AK 20/30	MUC 2030
		AK 30/30	MUC 3030
		AK 30/50	MUC 3050

REPLACEMENT FILTER CARTRIDGE FOR SUB-MICRON FILTERS

		Compatible Domnick Hunter	REFERENCE
Serie K - Filtration 1 micron - Grade AO (green)			
		K 009 AO	MDO 009
		K 017 AO	MDO 017
		K 030 AO	MDO 030
		K 058 AO	MDO 058
		K 145 AO	MDO 145
		K 220 AO	MDO 220
		K 330 AO	MDO 330
		K 430 AO	MDO 430
	K 620 AO	MDO 620	
Serie K - Filtration 0,01 micron - 0,01 mg/m3 - Grade AA (blue)			
		K 009 AA	MDA 009
		K 030 AA	MDA 030
		K 058 AA	MDA 058
		K 145 AA	MDA 145
		K 220 AA	MDA 220
		K 330 AA	MDA 330
		K 430 AA	MDA 430
		K 620 AA	MDA 620
Serie K - Activated carbon filter - Grade ACS			
		K 009 ACS	MDS 009
		K 017 ACS	MDS 017
		K 030 ACS	MDS 030
		K 058 ACS	MDS 058
		K 145 ACS	MDS 145
		K 220 ACS	MDS 220
		K 330 ACS	MDS 330
		K 430 ACS	MDS 430
	K 620 ACS	MDS 620	

REPLACEMENT FILTER CARTRIDGE FOR SUB-MICRON FILTERS

		Compatible Hiross	REFERENCE
Filtration 1 micron - Grade P(blue)			
		P 004	MHP 004
		P 007	MHP 007
		P 015	MHP 015
		P 024	MHP 024
		P 035	MHP 035
		P 060	MHP 060
		P 090	MHP 090
		P 120	MHP 120
		P 150	MHP 150
		P 240	MHP 240
		P 260	MHP 260
Filtration 0,01 micron - Grade S (red)			
		S 007	MHS 007
		S 015	MHS 015
		S 024	MHS 024
		S 035	MHS 035
		S 060	MHS 060
		S 090	MHS 090
		S 120	MHS 120
		S 150	MHS 150
		S 240	MHS 240
		S 260	MHS 260
Activated carbon filter - Grade C			
		C 004	MHC 004
		C 007	MHC 007
		C 015	MHC 015
		C 024	MHC 024
		C 035	MHC 035
		C 060	MHC 060
		C 090	MHC 090
		C 120	MHC 120
		C 150	MHC 150
		C 240	MHC 240
C 260	MHC 260		

SEPARATORS, BLEED VALVES AND PROCESSING UNITS

WATER, OIL, CONTAMINANTS: SEPARATION AND EVACUATION

Condensates collected by filtration or separation along the air network must be quickly and effectively evacuated to avoid contaminating the circuit and damaging pneumatic devices.

Separators, bleed valves and processing units provide effective solutions for evacuating and processing effluents.

The type of bleed device to use depends on the scale of the network, the locations to be drained and the accessibility of the air line.

Installation of bleed valves goes hand in hand with correct filtration of compressed air.

A correctly equipped network ensures the efficient operation of pneumatic tools and is a prerequisite for high-quality work.

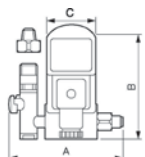
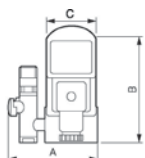
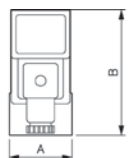
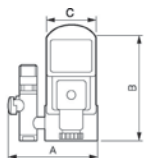
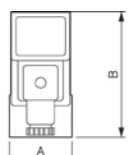




MODEL	LOCATION	OPERATION	ADVANTAGES
1 TIMED ELECTRICAL BLEED VALVES	Low points, tanks in compressors, dryers, separators, filters.	Comprising a timer and solenoid valve, timed electrical bleed valves open at intervals (programmed by the user) to evacuate accumulated contaminants.	- Depending on the degree of contamination and humidity in pipes: - choice of bleed valve opening duration - choice of bleed valve opening frequency - Compact assembly. - For integration in all positions, at all locations.
2 MAGNETIC BLEED VALVES	Low points, tanks of all types of filter.	Condensates are drained automatically through a magnetically-operated valve. When the water reaches a certain level, a float opens a magnetic valve. Once the water has drained, the float falls and closes the valve.	- No loss of compressed air. - No electric power supply. - No adjustment. - Maintenance by simple cleaning. - High discharge capacity. - Corrosion-resistant aluminium body. - No risks of condensates emulsifying.
3 MECHANICAL FLOAT-TYPE BLEED VALVES	Low points, ends of lines.	As the water level rises in the bleed bowl, the float lifts up and opens the bowl. Once the condensates have been drained, the float drops and closes the orifice.	- Automatic and self-contained bleed system. - No loss of compressed air. - Evacuation of waterborne emulsions (oil). - Sturdy construction.
4 SEPARATOR WITH AUTOMATIC BLEED	Compressor outlets, tank outlets, pre-filters for refrigeration dryers or submicron filters.	The separator fulfils two purposes: - the air entering the separator is driven into a cyclone system with fins that separate out water, oil and solid particles - condensates are then eliminated by a float-type bleed valve	- Double action: separation and evacuation - Possibility of high inlet temperatures - Sturdy construction - Advantages of float-type bleed devices - Cost-effective and dependable operation
5 CONDENSATE PROCESSING UNIT	Collects all condensates discharged by a facility.	Discharges from lubricated compressors are environmentally harmful. By collecting pollutants and treating them directly in a processing unit, even very low quantities of oil can be concentrated and recovered.	- Cost-effective solution for effluent treatment and environmental protection - Reduced costs due to simplicity of operation - Quick return on investment - Easy to install and use - No specific power supply required

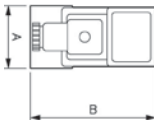
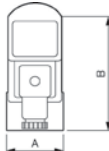
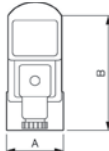
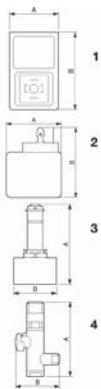
AUTOMATIC ELECTRIC DRAIN VALVES

Drain cycle 0.5 - 45 min	Drain opening 0.5 - 10 sec	For use with 24 - 220V 50 Hz	ID Passage 4.5 mm	Drain in any position Water, oil, condensates	1 path usually closed	Pressure 0 - 16 bar	Temperature +2°C - +65°C	Connection ISO 4400	Protection IP 65
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		A	B	C	DESCRIPTION	REFERENCE
Automatic drain valve kit						
					Ready to use kit with : - Programmable timer - 220 V solenoid for evacuating condensates - Drain trap with 1/4 turn shut-off valve - 1,2 m power lead - Ø 8 mm push fitting - 30 cm of polyurethane pipe Ø 8 mm	
		98	115	43	G 3/8 or G 1/2 inlet - G 3/8 outlet	TEMP 38220KIT
Complete automatic drain valve kit						
					Includes : - Programmable timer - 220 V solenoid for evacuating condensates - Drain trap with 1/4 turn shut-off valve	
		80	115	43	G 1/2 inlet - G 3/8 outlet	TEMP 38220COL
Automatic drain valve with timer and solenoid						
		43	115		G 1/8 inlet / outlet - 220 V	TEMP 18220V
		43	115		G 1/4 inlet / outlet - 220 V	TEMP 14220V
		43	115		G 3/8 inlet / outlet - 220 V	TEMP 38220V
		43	115		G 1/2 Gas inlet / outlet - 220 V	TEMP 12220V
Economy series complete automatic drain valve kit						
					Includes : - Programmable timer - 220 V solenoid for evacuating condensates - Drain trap with 1/4 turn shut-off valve	
		77	100		G 1/2 inlet - G 3/8 outlet	TEMP 38220COLSE
Economy series automatic electric drain valve						
					220 V only Ø 4 mm passage Pressure : 0 to 16 bar Thread :	
		40	100		G 1/4	TEMP 14220SE
		40	100		G 3/8	TEMP 38220SE

AUTOMATIC ELECTRIC DRAIN VALVES

Drain cycle 0.5 - 45 min	Drain opening 0.5 - 10 sec	For use with 24 - 220V 50 Hz	ID Passage 4.5 mm	Drain in any position Water, oil, condensates	1 path usually closed	Pressure 0 - 16 bar	Temperature +2°C - +65°C	Connection ISO 4400	Protection IP 65
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		A	B	C	DESCRIPTION	REFERENCE
Mini automatic electric drain valve for filter sump						
		38	80		Thread : G 1/8 Opening time : 2 sec Interval : 1 to 120 mn 220 V Manual opening test	TEMP MN220V
					MICRO'AIR G 1/8 sump adaptor	FAP 18
High-pressure automatic electric drain valve						
		43	115		Pressure: from 0 to 40 bar G 1/4 thread 220 V 0 to 40 bar pressure Ø 2 mm passage	TEMP 14220HP
Automatic electric drain valve for food applications						
		43	115		Stainless steel solenoid G 1/4 thread 220 V 0 to 40 bar pressure 304 stainless steel solenoid valve Ø 4,5 mm passage	TEMP 14220INOX
Parts						
		43	115		1.Timer 24 to 240 V AC or DC	TEMP
		41	53		2.Coil 50 Hz alternative Standard voltage 24 V	BOB 24VA
		41	53		Standard voltage 48 V	BOB 48VA
		41	53		Standard voltage 110 V	BOB 110VA
		41	53		Standard voltage 220 V	BOB 220VA
		74	40		3.G 1/8 solenoid valve	ELV 18
		74	40		G 1/4 solenoid valve	ELV 14
		74	40		G 3/8 solenoid valve	ELV 38
		74	40		G 1/2 solenoid valve	ELV 12
		74	40		High pressure solenoid 0 to 40 bar G 1/4	ELV 14HP
		74	40		304 stainless steel solenoid G 1/4	ELV 14INOX
		77	48		4. Drain trap with shut-off valve G 1/2 male inlet - G 3/8 male outlet	COL 1238

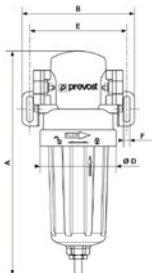
AUTOMATIC ELECTRIC DRAIN VALVES

Drain cycle 0.5 - 45 min	Drain opening 0.5 - 10 sec	For use with 24 - 220V 50 Hz	ID Passage 4.5 mm	Drain in any position Water, oil, condensates	1 path usually closed	Pressure 0 - 16 bar	Temperature +2°C - +65°C	Connection ISO 4400	Protection IP 65
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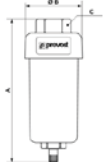
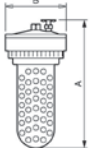
		A	B	C	DESCRIPTION	REFERENCE
Economy series automatic drain valves part						
		43	74		Timer	TEMP SE
		63	35		Solenoid valve with 220 V coil G 1/4	ELV 14SE
		68	40		G 3/8 solenoid valve	ELV 38SE

WATER SEPARATOR

Less servicing	Evacuates Water, oil, condensates	Drain outlet 8 mm groove	Construction Anodised Aluminium	Pressure 1 to 16 bar	Temperature 1° C to 70° C	Automatic float drain with float	Post filter for compressor outlet
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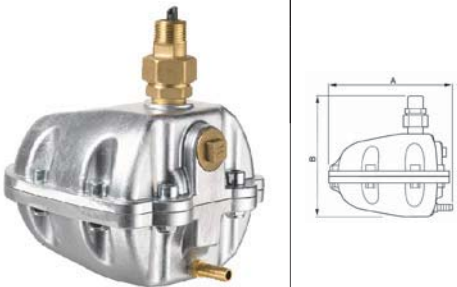
		A	B	C	D	Flow rate Mini in m³/h - DP = 1%	Weight	Female thread BSP Gas	Flow rate Maxi in m³/h - DP = 1%	REFERENCE
Cyclone water separator with float drain										
		258.50	103	219	24.5	60	1.4	G 1/2	144	SPC 120
		344	139	297.50	24.5	105	2,2	G 3/4	252	SPC 210
		344	139	297.5	24.5	160	2.5	G 1	384	SPC 320
		548	190	485	24.5	225	2,7	G 1 1/2	540	SPC 450
		548	190	485	24.5	375	2.7	G 2	900	SPC 750
		626	190	563	103	550	2,7	G 2	1 320	SPC 1101
Drain for SPC										
										SPC D1275
Wall bracket for SPC										
										SPC K120
										SPC K210
										SPC K450

MECHANICAL DRAIN VALVES

Less servicing	Threaded inlet	Evacuates Water, oil, condensats			Low ends Line ends	Automatic float drain
		A	B	C	DESCRIPTION	REFERENCE
Automatic mechanical drain valve						
		133	53	28	Automatic drain valve with float drain Threaded inlet: G 1/2 Drain outlet: Ø 8 mm Weight: 422 g Pressure: 2 bar to 12 bar Max. temperature: 80° C	PAM 21
Parts kit for PAM 21						
					Float drain for PAM 21	PAM FLO
Automatic mechanical drain valve for high flow rates						
		216	116		Warning : Polycarbonate bowl not compatible with thinners and some oils containing esters Threaded inlet: G 1/2 Drain outlet: G 1/8 Drain flow rate at 7 bar: 560 l/h Drain weight: 1960 g Pressure: 10 bar at 20° C Temperature: 2° C to 55° C	PEA 21
Manual drain						
		23	15		Manual drain G 1/8	MA 18
		23	15		Manual drain G 1/4	MA 14
		26	17		Manual drain G 3/8	MA 38

MAGNETIC DRAIN

Construction Aluminium body - Viton seal	Drain outlet 2 mm	Temperature 2° C to 50° C	Automatic float drain	Less servicing	Threaded inlet 2 x G 1/2	Low ends	Pressure 16 bar
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		A	B	DESCRIPTION	REFERENCE
Magnetic drain condensate draining					
				Condensate is automatically drained by a magnetic valve. The valve opens when a float inside reaches a certain level and closes when the float drops back down. Zero air loss. No electricity required.	
		140	165	Condensates draining : 200 l/hour 2 connections : 1/2 female G inlet 1/8 female G outlet magnetic valve	PMA 200

CONDENSATE SEPARATOR

Environmentally friendly	Quickly pays for itself	Construction PE	Efficient
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		Replacement filter cartridge Pre-filter	Replacement filter cartridge carbon cartridge	Treatment capacity m3/h	Degree of separation	Inlet Condensate	Water outlet	REFERENCE
Oil and water separator								
		Models SPH 110, SPH 480, SPH 2100 and SPH EXT : - Collect condensate from all types of purge (manual, automatic, electronic) - Separate all effluents, including stable emulsified oils - Separate mineral and synthetic oils						
		SPH 210CAFW	SPH 210CAFB	0 to 108 m3/h	< 10 ppm	G 1/2	G 1/2	SPH 210
		SPH 480CAFW	SPH 480CAFB	0 to 480	< 10 ppm	2 x G 1/2	G 1/2	SPH 480
		SPH 2100CAFW	SPH 2100CAFB	0 to 2100	< 10 ppm	4 x G 1/2	3 x G 1/2	SPH 2100
			SPH EXTCAFB	2100 to 4200	< 10 ppm			SPH EXT

CONDENSATE SEPARATOR MAINTENANCE KITS

Environmentally friendly	Quickly pays for itself	Construction PE	Efficient
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		DESCRIPTION	REFERENCE
Maintenance kit for oil and water separator			
		Pre-filter cartridge for SPH 210	SPH 210CAFW
		Activated carbon cartridge for SPH 210	SPH 210CAFB
		Pre-filtrrer cartridge for SPH 480	SPH 480CAFW
		Activated carbon cartridge for SPH 480	SPH 480CAFB
		Pre-filter cartridge for SPH 2100	SPH 2100CAFW
		Activated carbon cartridge for SPH 2100	SPH 2100CAFB
		Activated carbon cartridge for SPH EXT	SPH EXTCAFB

dryers

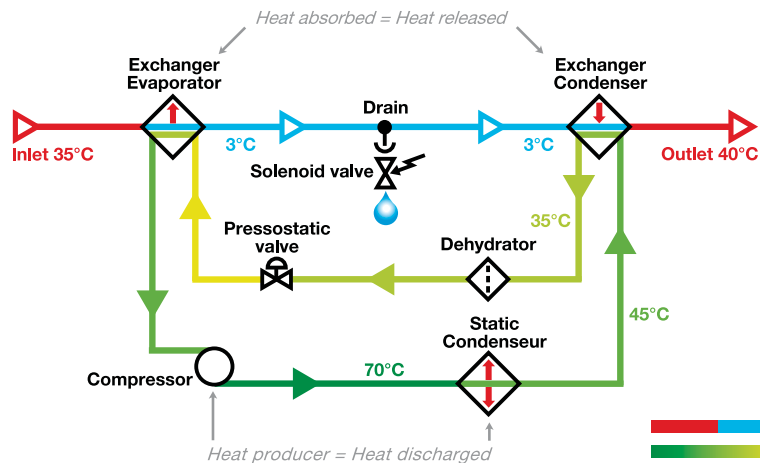
ALTITUDE REFRIGERATION DRYERS

EFFICIENCY, SAFETY AND SIMPLICITY

Compressed air from a compressor contains water (droplets or vapour) which can be detrimental to the operation of pneumatic tools and machinery. For high quality work, the water must be eliminated by an air dryer.

A heat exchange process in the dryer lowers the temperature of the air, causing the water content to condensate. The condensated water is then eliminated by a bleed built into the dryer.





UNIQUE TECHNOLOGY

ALF dryers: unique technology (ALF 30 to ALF 820)

► An innovative refrigeration circuit with double condensers

- no fan
- no fan pressure switch
- offering low energy consumption

► Safe, straightforward operation identical to that of a domestic refrigerator, ensuring a stable dew point at 3°C in all conditions, at all ambient temperatures from 4.4°C to + 43°C without a flow rate correction factor

- no risk of freezing
- not sensitive to dust
- quiet and clean
- low pressure drops

ADVANTAGES

- Dryers with two condensers for the refrigerant
 - One static external R134a/ambient air condenser
 - One static external refrigerant/ambient air condenser
- Balanced energy transfer between the evaporator and the compressed air/refrigerant condenser ensuring a stable dew point.
- Compressed air outlet temperature 5°C higher than inlet temperature.
- Refrigerant:
 - R134a in models ALF 30 to ALF 240
 - R407c in models ALF 315 to ALF 820

CORRECTION FACTOR F1 depending on inlet temperature and pressure

Pressure in bar	Temperature			
	35°C	40°C	45°C	50°C
3	0.79	0.63	0.51	0.43
4	0.87	0.72	0.60	0.52
5	0.92	0.77	0.65	0.56
6	0.96	0.81	0.68	0.60
7	1.00	0.84	0.71	0.63
8	1.03	0.87	0.74	0.65
9	1.07	0.91	0.78	0.67
10	1.10	0.93	0.80	0.70
11	1.13	0.96	0.82	0.73
12	1.16	0.98	0.84	0.75
13	1.18	1.00	0.86	0.77
14	1.21	1.02	0.88	0.80

OPERATING CONDITIONS

Dew point: + 3°C
 Protection rating: IP 23
 Electrical power supply: 230 V 50 Hz
 Condensate drain: timed-action solenoid valve
 Minimum pressure: 2 bar
 Service pressure: 7 bar
 Maximum pressure: 16 bar
 Minimum compressed air inlet temperature: 4°C
 Maximum compressed air inlet temperature: 58°C
 2 years guarantee.
 Standard exchange subject to prior diagnosis by Prevost.

USE OF CORRECTION FACTORS

Example:
 Selection of a dryer for
 Flow rate (V1) 75 m³/h
 Pressure 10 bar
 Inlet temperature 45°C
 Equivalent flow rate V2

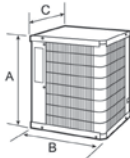
Correction factor F1 for inlet temperature and pressure:
 0.80

$$V2 = \frac{V1}{F1} \quad \text{Giving } V2 = \frac{75}{0.8} = 94 \text{ m}^3/\text{h}$$

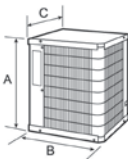
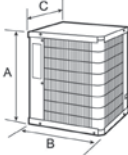
The selected model is thus **ALF 100**

ALTITUDE REFRIGERATED AIR DRYERS

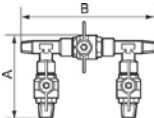
For use with 230 V 50 Hz	Protection IP 23	Temperature Max. ambient temperature: + 43° C	Temperature Min. ambient temperature: + 4,4 ° C	Pressure Max. 16 bar	Dewpoint + 3° C
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		A	B	C	Thread Male	Dryer for compressor of (CV):	Flow rate Nm3/h	Noise dB (A)	Consumption kW	Weight kg	REFERENCE		
Altitude refrigeration dryers													
				Easy concept Condensate discharged by electronic drain 2-year warranty (standard exchange after Prevest diagnostic) Electrical supply : 220 V - 50 Hz Refrigerant : - ALF 30 to ALF 161 : R134a - ALF 240 to ALF 820 : R407c Inlet pressure : 7 bar Inlet temperature : 35°C Ambient temperature : 25°C in accordance with ISO 7183									
				381	320	320	G 3/8	4	30	45	0,24	19	ALF 30
				569	368	368	G 3/4	7.5	60	51	0,41	29	ALF 60
				569	368	368	G 3/4	10	80	53	0,46	29	ALF 80
				569	500	500	G 3/4	15	100	53	0,57	41	ALF 100
				601	363	861	G 1	20	140	60	0,58	50	ALF 140
				601	363	861	G 1	25	160	60	0,6	53	ALF 161
				601	363	921	G 1	35	240	64	0,87	58	ALF 240
				761	443	971	G 2	40	315	69	1,1	72	ALF 315
				761	443	971	G 2	50	360	69	1,3	78	ALF 360
				761	443	971	G 2	60	470	69	1,48	85	ALF 470
				811	493	1151	G 2	80	580	71	1,9	100	ALF 580
				811	493	1151	G 2	90	680	72	2,45	112	ALF 680
811	493	1151	G 2	110	820	72	2,55	134	ALF 820				

REFRIGERATION DRYERS WITH CONNECTION EQUIPMENT

Protection IP 23	Pressure max. : 16 bar	Temperature ambient max. : + 43°C	For use with 230 V 50 Hz	Temperature ambient min. : + 4,4 °C	Dewpoint + 3° C			
		Flow rate m3/h	Noise dB	Dryer for compressor of (CV): CV	Consumption kW	Outlet	Inlet	REFERENCE
Refrigeration dryers with By-pass hose, flexible hose and micron filter								
		30	45	4	0,24	G 3/8 F.	R 1/2 R.	ALF LM30
		60	51	7,5	0,41	G 1/2 F.	R 3/4 M.	ALF LM60
		80	53	10	0,46	G 1/2 F.	R 3/4 M.	ALF LM80
		100	53	15	0,57	G 3/4 F.	R 3/4 M.	ALF LM100
		140	60	20	0,58	G 3/4 F.	G 1 F.	ALF LM140
Refrigeration dryers with By-pass hose and flexible hose								
		30	45	4	0,24	R 1/2 M.	R 1/2 M.	ALF L30
		80	53	10	0,46	R 3/4 M.	R 3/4 M.	ALF L80
		100	53	15	0,57	R 3/4 M.	R 3/4 M.	ALF L100
		140	20	60	0,58	G 1 F.	G 1 F.	ALF L140

BY-PASS HOSE

Construction Laiton	Easy installation	Thread Gaz BSP	Vannes 1/4 de tour		
By-pass hose for installing dryer					
		A	B	DESCRIPTION	REFERENCE
				Ball valve Component: brass	
		108	165	G 1/2 male	MBP 21
		120	190	G 3/4 male	MBP 27
		135	240	G 1 female	MBP 34

ACCESSORIES FOR AIR DRYERS



Connection Swivel		Construction Synthetic rubber, steel braid		Standard ISO 4413 - 1998		Resistance oils, abrasion, ozone	
		Length m.	Temperature °C	Pressure Max. service pressure (bar)	Thread Gaz BSP	Bend radius at 20°C (mm)	REFERENCE
Flexible hoses to compensate for network expansion and contraction - Tapered male swivel connections							
		0.75	-40° +70° C	105	R 3/4	240	LAM 27
		0.75	-40° +70° C	88	R 1	300	LAM 34
		1.1	-40° +70° C	63	R 1 1/4	420	LAM 42
		1.25	-40° +70° C	50	R 1 1/2	500	LAM 49
		1	-40° +70° C	40	R 2	630	LAM 60
Connection hoses - Female swivel connections							
		1.5	-40° +110° C	180	G 3/8	130	LEF 17
		1.5	-40° +110° C	160	G 1/2	130	LEF 21
		1.5	-40° +110° C	105	G 3/4	240	LEF 27
		1.5	-40° +110° C	88	G 1	300	LEF 34
		2.2	-40° +110° C	63	G 1 1/4	420	LEF 42
		2.5	-40° +110° C	50	G 1 1/2	500	LEF 49
		2	-40° +110° C	80	G 2	630	LEF 60
Connection hoses with steel safety cable - Female swivel connections							
		1.5	-40° + 110°C	180	G 3/8	130	LEF 17S
		1.5	-40° +110° C	160	G 1/2	130	LEF 21S
		1.5	-40° +110° C	105	G 3/4	240	LEF 27S
		1.5	-40° +110° C	88	G 1	300	LEF 34S
Connection hoses - Male swivel connections							
		1.5	-40° +110° C	180	R 3/8	130	LEM 17
		1.5	-40° +110° C	160	R 1/2	180	LEM 21
		1.5	-40° +110° C	105	R 3/4	240	LEM 27
		1.5	-40° +110° C	80	R 1	300	LEM 34
		2.2	-40° +110° C	63	R 1 1/4	420	LEM 42
		2.5	-40° +110° C	50	R 1 1/2	500	LEM 49
		2	-40° +110° C	80	R 2	630	LEM 60
Connection hoses with steel safety cable - Male swivel connections							
		1.5	-40° +110° C	180	R 3/8	130	LEM 17S
		1.5	-40° +110° C	160	R 1/2	180	LEM 21S
		1.5	-40° +110° C	105	R 3/4	240	LEM 27S
		1.5	-40° +110° C	88	R 3/4	300	LEM 34S

ALASKA ADSORPTION DRYERS

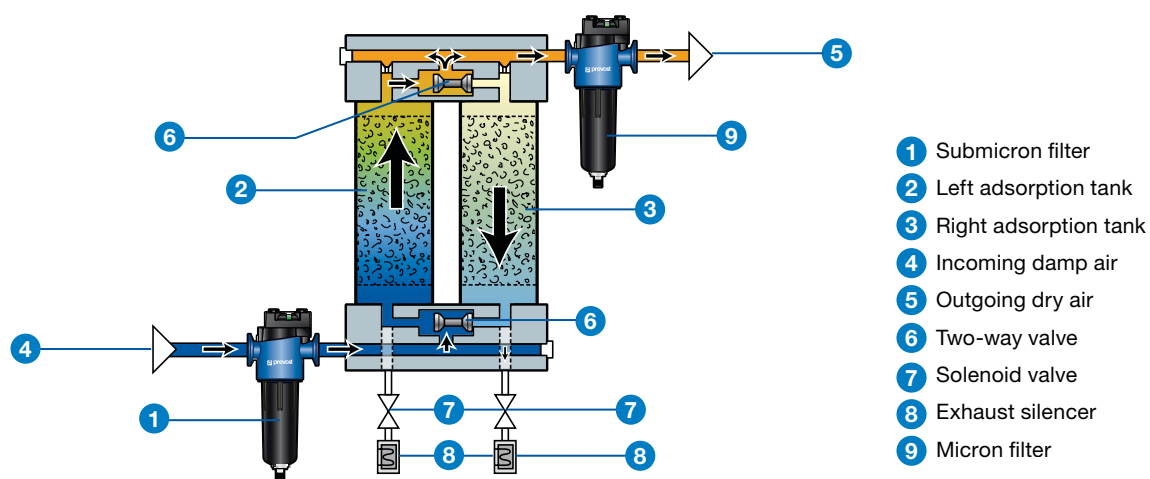
FOR ALL APPLICATIONS WHICH REQUIRE PERFECTLY DRY COMPRESSED AIR:

- high quality air for laboratories, food processing, robotics, telecommunications, laser applications
- electronic instrumentation and control
- compressed air systems operated at temperatures of less than +3°C
- sawmills, concrete plants, quarries, chemical and pharmaceutical industries



ALC adsorption dryers provide high efficiency continuous operation.

Upline and downline filtration with automatic purge are fitted as standard, enabling the dryers to provide dry, dust-free air.



- 1 Submicron filter
- 2 Left adsorption tank
- 3 Right adsorption tank
- 4 Incoming damp air
- 5 Outgoing dry air
- 6 Two-way valve
- 7 Solenoid valve
- 8 Exhaust silencer
- 9 Micron filter

PRESENTATION

The dryer comprises two desiccant bed columns. When the first column is drying, the other is in the regeneration phase.

Damp compressed air entering the dryer is directed through a two-way valve to the bottom of one of the columns. The drying phase works from bottom to top, then the air is directed to the second two-way valve which draws off a small amount of dehydrated air in order to eliminate, at atmospheric pressure, the humidity in the other column.*

The unit is progressively and regularly depressurised through silencers located under the dryer, avoiding any atmospheric pollution and keeping the exhaust noise level low.

* The air used by the column in the regeneration phase represents approx. 15 % of the flow rate entering the dryer (this regeneration flow rate must be taken into account when selecting which model of dryer to install)..

ADVANTAGES

► Advantages of ALC dryers:

- Dependable continuous operation at maximum capacity
- Desiccant changes colour when saturated, enabling the dew point to be monitored
- Low pressure drop
- Columns pressurised regularly and progressively, ensuring constant output pressure and long desiccant life
- Tough and compact epoxy-coated steel casing
- High quality silencers result in a noise level < 78 dB(A)
- Upline filtration: 0.01 micron submicron filter, downline filtration: 1 micron
- Easy, low-cost servicing. Changing desiccant cartridges is a quick, clean operation

ALASKA ADSORPTION DRYERS

Part number	Inlet flow rate m³/h	Outlet flow rate m³/h	Regeneration flow rate m³/h	Dew point under pressure °C	Female BSP gas connection	Delta P in bar (à 7 bar)	Dimensions mm WxDxH	Electrical consumption W
ALC 6	5.9	5.00	0.90	-40°	G 1/4	0.01	137x237x653	47
ALC 10	9.7	8.20	1.50	-40°	G 1/4	0.02	137x237x653	47
ALC 17	17.5	14.90	2.60	-40°	G 1/4	0.08	137x237x653	47
ALC 22	22.4	19.00	3.40	-40°	G 1/4	0.11	137x237x941	47
ALC 33	33.4	28.40	5.00	-40°	G 1/4	0.26	137x237x941	47
ALC 56	56.1	47.70	8.40	-40°	G 3/4	0.07	198x362x824	47
ALC 77	77.4	65.80	11.60	-40°	G 3/4	0.11	198x362x824	47
ALC 121	120.9	102.80	18.10	-40°	G 3/4	0.32	198x362x1323	47
ALC 183	183.1	155.60	27.50	-40°	G 1 1/4	0.20	477x415x1326	64
ALC 241	241.4	205.20	36.20	-40°	G 1 1/4	0.32	477x415x1326	64

Flow rates expressed for an inlet pressure of 7 bar - Inlet temperature: 35°C - Ambient temperature: 25°C in accordance with standard ISO 7183

CORRECTION FACTORS FOR DIFFERENT INLET PRESSURES IN BAR

> Pressure bar	4	5	6	7	8	9	10	11	12	13	14	15	16
> Flow rate coefficient	0.47	0.65	0.88	1.00	1.08	1.14	1.20	Contact your distributor for a selection					

COEFFICIENT FOR DIFFERENT AIR INLET TEMPERATURES IN °C

> Temperature (°C)	+5	+30	+35	+40	+45	+50
> Flow rate coefficient	1.00	1.00	1.00	0.88	0.70	0.60

ADSORPTION DRYERS

Noise Level below 78 dB(A)	Use Laboratories, food processing, robotics, telecommunications, laser applications	Filtration upline: 0,01 micron downline : 1 micron	Less servicing Simplicity and low maintenance costs	Dewpoint - 40 °C	Voltage 230 V - 50 Hz			
		Flow rate inlet m3/h	Weight kg	Consumption W	Dimensions WxDxH (mm)	Delta P bar	Connection Female BSP Gas	REFERENCE
Alaska adsorption dryers								
		Dew point under pressure : -40 °C The air used by the column in the regeneration phase accounts for approx. 15 % of the flow rate entering the dryer. This regeneration flow rate (Inlet flow rate - Outlet flow rate) must be taken into account when selecting which model of dryer to install. All components except desiccant covered by a 1-year warranty Flow rates expressed for an inlet pressure of 7 bar and an inlet temperature of 35 °C; Ambient temperature : 25 °C in accordance with standard ISO 7183						
		17.5	17	47	137 x 237 x 653	0.08	G 1/4	ALC M17
		5.9	13	47	137 x 237 x 653	0.01	G 1/4	ALC M6
		9.7	13	47	137 x 237 x 653	0.02	G 1/4	ALC M10
		22.4	19	47	137 x 237 x 941	0.11	G 1/4	ALC M22
		33.4	24	47	137 x 237 x 941	0.26	G 3/8	ALC M33
		56.1	37	47	198 x 362 x 824	0.07	G 1/2	ALC M56
		77.4	43	47	198 x 362 x 824	0.11	G 1/2	ALC M77
		120.9	64	47	198 x 362 x 1323	0.32	G 3/4	ALC M121
		183.1	110	64	477 x 415 x 1326	0.32	G 1	ALC M183
		241.4	130	64	477 x 415 x 1326	0.32	G 1	ALC M241

ADSORPTION DRYERS

		DESCRIPTION	REFERENCE
Service set for alaska adsorption dryers			
		Service-set, contains all spare parts for annual service : - 1 humidity indicator - 2 silencers - 2 shuttles - 2 O-rings for shuttle	
		For ALC 6 - ALC 10 - ALC 17	ALC 6K12
		For ALC 22 - ALC 33	ALC 22K12
		For ALC 56 - ALC 77	ALC 56K12
		For ALC 121	ALC 121K12
		For ALC 183 - ALC 241	ALC 183K12
Maintenance kit for Alaska adsorption dryers			
		Maintenance-kit, contains all spare parts for maintenance after 18000 to 20000 operating hours or 3 years, whichever comes first : - 1 humidity indicator - 2 silencers - 2 shuttles - 2 drying cartridges - 6 O-rings	
		For ALC 6 - ALC 10	ALC 6K36
		For ALC 17	ALC 17K36
		For ALC 22	ALC 22K36
		For ALC 33	ALC 33K36
		For ALC 56	ALC 56K36
		For ALC 77	ALC 77K36
		For ALC 121	ALC 121K36
		For ALC 183	ALC 183K36
		For ALC 241	ALC 241K36

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PVR 3UN25	195	PVR RDS3225	196	PVR Y20	198	RB5 1038	112	RCT AG03M3	101
PVR 3UN32	195	PVR RDS4032	196	PVR Y25	198	RB5 1238	112	RCT AG03M5	101
PVR 3UN40	195	PVR RDS5040	196	PVR YP20	198	RB5 614	112	RCT AG0400	101
PVR 3UN50	195	PVR RDS6350	196	PVR YP25	198	RB5 618	112	RCT AG04M3	101
PVR 3UN63	195	PVR RFM162012	194	R22 CT	107,239,241	RB5 814	112	RCT AG04M5	101
PVR 4CE20	193	PVR RFM202512	194	R22 TD	107	RB5 818	112	RCT AG0600	101
PVR 4CE25	193	PVR RFM253227	194	RAL 1010DIS	249	RB5 838	112	RCT AG06M5	101
PVR 4CE32	193	PVR RFM324034	194	RAL 1010SIRC	250	RB6 10	112	RCT CG03M3	100
PVR 4CE40	193	PVR RFM405042	194	RAL 1010VERC	250	RB6 6	112	RCT CG03M5	100
PVR 4CE50	193	PVR RFM506349	194	RAL 10125SESB	249	RB6 8	112	RCT CG0400	100
PVR 4CE63	193	PVR RFM637560	194	RAL 10125SIB	249	RB7 1014	113	RCT CG04M3	100
PVR 4CE90	193	PVR RFT2012	194	RAL 1525TLS	252	RB7 1038	113	RCT CG04M5	100
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PVR 9CE40	193	PVR RMT2527	195	RAL 810SESB	249	RB9 10	113	RCT ET0404	102
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PVR 9CE63	193	PVR TEE25	194	RAL 810VIRC	250	RB9 6	113	RCU ET0303	101
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PVR 9CT2012	195	PVR TEE40	194	RAL 8125SESB	249	RCC ET0303	101	RCU ET0606	101
PVR 9CT2527	195	PVR TEE50	194	RAL 8125SIB	249	RCC ET0404	101	RCU TT0303	101
PVR BOU20	193	PVR TEE63	194	RAL 8125X	250	RCC ET0606	101	RCU TT0404	101
PVR BOU25	193	PVR TEE90	194	RAL 8125XB	250	RCC LG03M3	100	RCU TT0606	101
PVR BOU32	193	PVR TER2520	194	RAL 8125XIS	250	RCC LG03M5	100	RCY ET0404	102
PVR BOU40	193	PVR TER3220	194	RAL 910SESB	249	RCC LG0400	100	RCY ET0606	102
PVR BOU50	193	PVR TER3225	194	RAL 910XERC	250	RCC LG04M3	100	RD 17	165
PVR BOU63	193	PVR TER4020	194	RAL 9125SESB	249	RCC LG04M5	100	RD 21	165
PVR BOU90	193	PVR TER4025	194	RAL ACS810	249	RCC LG0600	100	RD 27	165
PVR BP2520	192	PVR TER5020	194	RAL AIS810	249	RCC LG06M5	100	RD 34	165
PVR BP3220	192	PVR TER5025	194	RAL DBS810	249	RCC MG03M3	99	RG DT14	109
PVR BP4020	192	PVR TER6320	194	RAL DCS810	249	RCC MG03M5	99	RMC ET0404	106
PVR BP4025	192	PVR TER6325	194	RAL DES810	249	RCC MG0400	99	RMC ET0606	106
PVR BP5020	192	PVR TER9040	194	RAL DES910	249	RCC MG04M3	99	RMC ET0808	106
PVR BP5025	192	PVR TET2012	195	RAL SCSB812	249	RCC MG04M5	99	RMC ET1010	106
PVR BP6320	192	PVR TET2527	195	RAL SISB10125	249	RCC MG0600	99	RMC ET1212	106

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RMD MR0400	103	RMT ET1212	106	RO7 814	115	RPB MG1000	75	RPC FG0803	72
RMD MR0600	103	RMT ET1414	106	RO7 818	115	RPB MG1001	75	RPC FG1000	72

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RPM IG0600	91	RPM OR0602	92	RPQ MG05M5	74	RPS DG0202	90	RPT AG1203	79
RPM IG0601	91	RPM OR0603	92	RPQ MG0600	73	RPS DG0302	90	RPT AG1402	79
RPM IG0602	91	RPM OR0800	92	RPQ MG0601	73	RPS DG0303	90	RPT AG1403	79

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