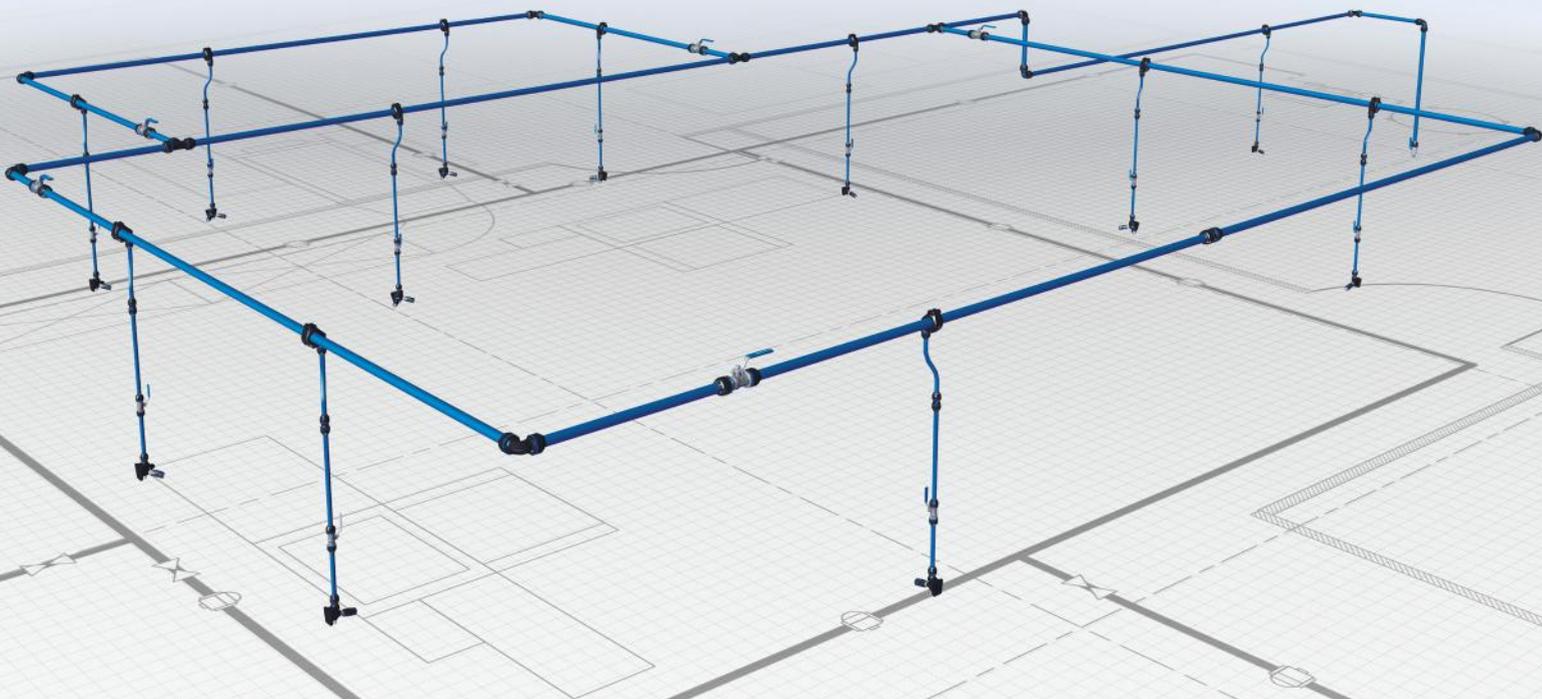




CONNECTED TO INNOVATION

The full aluminium concept



PREVOST PIPING SYSTEM

COMPRESSED AIR NETWORK

PREVOST : a manufacturer at the heart of your networks, connected to innovation

For nearly 40 years, PREVOST has been successfully **designing, manufacturing and marketing** a comprehensive **range of products** for **compressed air and fluid distribution networks, including safety fittings, filtration solutions and pneumatic equipment**.

Prevost has become the preferred partner for companies using pneumatic and hydraulic power.

Every day, our teams work to expand the horizon for our customers :

- through innovation and constantly seeking areas for improvement,
- through the quality of our products, advice and services.

➔ CONNECTED TO INNOVATION

An R&D strategy for patented products: PREVOST offers products that provide increasingly optimised performance and enhanced safety, and comply with all applicable standards.

Making the best use of our products: our solutions enable you to optimise yield and improve your return on investment.

European manufacture: our new **PREVOST PIPING SYSTEM** networks range, made entirely from aluminium, is designed and produced in Europe.

➔ CONNECTED TO QUALITY

Prevost is certified according to :



ISO 9001



TÜV : certification of compliance with the Pressure Equipment Directive. PED 2014/68/EU

Our products comply with the requirements of:



Quality of pipe coating



the **REACH** standard: Registration, Evaluation, Authorisation and restriction of Chemicals

- **Standard for fire rating of construction products** and components (EN 13501-1)



➔ CONNECTED TO YOUR BUSINESS REQUIREMENTS

We comply with the requirements **of all industries, specialised distributors, decision-makers, architecture firms, design offices and installers.**

➔ CONNECTED TO YOUR NEEDS

PREVOST possesses a technical unit dedicated to your designing your network.

► **DIAGRAMS and QUOTATION**
for your planned facility ON REQUEST

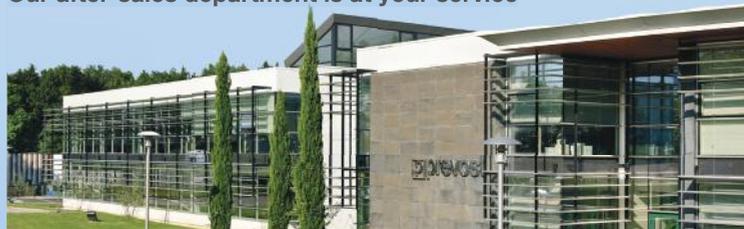
A web application is accessible via smartphones and tablets.

First-class logistics: our team manages logistical flows so as to ship products on the same day as you place your order.

Our training centre enables you to reinforce your knowledge of our products and fluid mechanics.

Our dynamic and responsive sales force is present in more than 80 countries.

Our after-sales department is at your service



What is a compressed air network?

A compressed air network entails **linking a source of compressed air, i.e. one or more compressors, to the power distribution point(s).**

The structure of the PREVOST network is made of aluminium pipes.

These are fixed at a **minimum height of 2.5 m** from the floor and form the primary loop of the network.

From this loop, pipes with a smaller diameter, known as “**drops**” feed off. Their ends are around **1.2 m from the floor**. These constitute **compressed air distribution points**, to which various equipment (such as Safety fittings, filters, flexible hoses) are attached.



→ NETWORK DESIGN

To design a network, **the pipe diameter must be determined, taking into account the desired flow rate and the length of the main pipe.** Data calculated for a service pressure of 8 bar with 5% pressure loss.

COMPRESSOR*					LENGTH OF MAINLINE										
POWER		FLOW RATE			50 m	100 m	150 m	300 m	500 m	750 m	1000 m	1300 m	1600 m		
kW	CV	Nm ³ /h	NI/min	Scfm	164 ft	328 ft	492 ft	984 ft	1640 ft	2460 ft	3280 ft	4265 ft	5249 ft		
2,2	3	22	367	13	16	16	20	20	25	25	25	25	32		
3	4	30	500	18	16	20	20	25	25	25	32	32	32		
4	5	40	668	24	20	20	20	25	25	32	32	32	32		
5,5	7,5	50	833	29	20	20	25	25	32	32	32	32	40		
7,5	10	70	1167	41	20	25	25	32	32	32	40	40	40		
11	15	100	1667	59	25	25	32	32	40	40	40	50	50		
15	20	150	2500	88	25	32	32	40	40	50	50	50	50		
18	25	180	3000	106	32	32	40	40	50	50	50	63	63		
22	30	220	3674	130	32	40	40	50	50	50	63	63	63		
26	35	260	4167	147	32	40	40	50	50	63	63	63	63		
30	40	350	5833	206	40	40	50	50	63	63	63	63	80		
37	50	370	6179	218	40	40	50	50	63	63	63	80	80		
45	60	500	8350	294	50	50	50	63	63	80	80	80	80		
55	75	550	9185	324	50	50	50	63	63	80	80	80	80		
75	100	750	12500	441	63	63	63	63	80	80	80				
90	125	1000	16667	589	63	63	63	80	80						
110	150	1100	18370	649	63	63	63	80	80						
132	175	1500	25000	883	63	80	80	80							
160	215	1750	29167	1030	63	80	80								
200	270	2000	33333	1177	80	80	80								

* These values may vary slightly from compressor data

→ EXPANSION OF MATERIALS

Aluminium is subject to **expansion and contraction phenomena** in the event of temperature changes. To compensate for this, it is advisable to **use piping capable of absorbing this variation.**

Flexible hoses serve this purpose. They also make it possible to **change direction** (corners) and **circumvent any obstacles** in the workshop (pillars, beams, etc.).

Expansion coefficient: 0.024 mm per metre and per degree Celsius.
 Expansion is calculated as follows:

C = Expansion coefficient
L = Length of the straight stretch (between two fixed points)
ΔT = Discrepancy between the maximum and minimum ambient temperatures in °C.
DL = Overall expansion
 i.e. **DL = C x L x ΔT**

Example: a 20 metre line using 40 mm piping, at an ambient temperature of 15°C with a maximum temperature of 40°C, i.e. a difference of 25°C

DL: 0.024 x 20 (m) x 25°C (40 °C - 15°C) = 12 mm

PREVOST PIPING SYSTEM

The 100% aluminium concept

The new **PREVOST PIPING SYSTEM** compressed air network range comprises compact, **lightweight and resistant pipes and fittings made entirely from aluminium.**

They are quick and easy to install and can be pressurised immediately.

The **PREVOST PIPING SYSTEM** range ensures:

- a **clean** and **good-quality air** supply
- a **leaktight network** and **optimised flow rate**
- an operating pressure of 16 bar.

Workstations are well supplied, accessible and ergonomic. The system is long-lasting and can easily be adapted.

Advantages of the new **PREVOST PIPING SYSTEM** range

➔ COMPACT AND LIGHTWEIGHT

The upgraded design of the new **PPS1** aluminium fitting is more **compact, lighter and more resistant.**

➔ TECHNICAL AND MODERN MATERIAL

The aluminium alloy used, combined with epoxy paint on the outside and a treatment on the inside, **protects the pipe against the risks of oxidation and corrosion.**

➔ IMPACT STRENGTH

Aluminium offers excellent mechanical **resistance to pressure and to impacts.**

➔ QUICK AND EASY TO ASSEMBLE

Simply insert the pipe into the fitting, **and then tighten the PPS1 fitting.**

➔ FULLY ADAPTABLE

The **PPS1** fitting ensures that facilities are modular and scalable.

➔ COMPATIBILITY WITH COMPRESSOR OILS

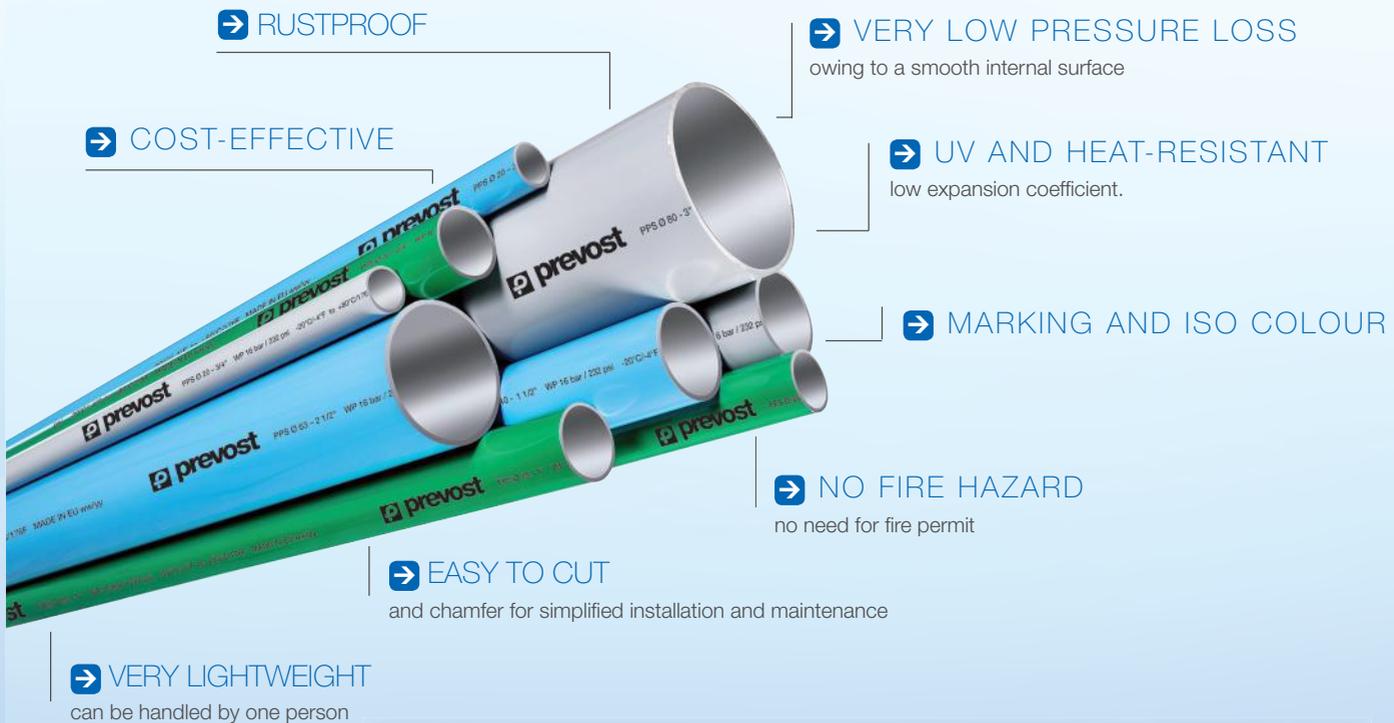
Aluminium is compatible with compressor lubricants.

➔ LEAKTIGHT WITH VERY LOW PRESSURE LOSS

The « **PPS Grip Concept** » ensures a **flawless connection** and zero leaks. **Flow rates** are **optimised** thanks to a perfectly smooth internal pipe surface, a low friction coefficient, and a large internal diameter.

PREVOST PIPING SYSTEM

100% aluminium pipes



➔ RUSTPROOF

➔ VERY LOW PRESSURE LOSS
owing to a smooth internal surface

➔ COST-EFFECTIVE

➔ UV AND HEAT-RESISTANT
low expansion coefficient.

➔ MARKING AND ISO COLOUR

➔ NO FIRE HAZARD
no need for fire permit

➔ EASY TO CUT
and chamfer for simplified installation and maintenance

➔ VERY LIGHTWEIGHT
can be handled by one person

PIPE PROPERTIES

- **Material:** extruded aluminium alloy: EN AW 6060 T6 UNI-EN 573-3
- **Treatment:** interior and exterior (compliant with RoHS standard)
- **Coating:** electrostatic paint, RAL 5012
- **Extrusion quality:** calibrated, seamless
- **Compatible fluids:** compressed air, vacuum, neutral gases
- **Pipe lengths:** 4 or 6 metres
- **Density:** 2.7 kg/dm³
- **Pipe external diameter:** Ø 16, 20, 25, 32, 40, 50, 63, 80 mm

Prevost offers a wide range of 100% aluminium pipes for compressed air, vacuum and nitrogen.

Blue compressed air pipes, RAL 5012	Grey compressed air and vacuum pipes, RAL 7001	Green nitrogen pipes, RAL 6029
Ø 16 PPS TUB16L4	Ø 16 PPS TUG16L4	Ø 20 PPS TUV20L6
Ø 20 PPS TUB20L4	Ø 20 PPS TUG20L6	Ø 25 PPS TUV25L6
Ø 20 PPS TUB20L6	Ø 25 PPS TUG25L6	
Ø 25 PPS TUB25L4	Ø 32 PPS TUG32L6	
Ø 25 PPS TUB25L6	Ø 40 PPS TUG40L6	
Ø 32 PPS TUB32L4	Ø 50 PPS TUG50L6	
Ø 32 PPS TUB32L6	Ø 63 PPS TUG63L6	
Ø 40 PPS TUB40L4	Ø 80 PPS TUG80L6	
Ø 40 PPS TUB40L6		
Ø 50 PPS TUB50L6		
Ø 63 PPS TUB63L6		
Ø 80 PPS TUB80L6		

PREVOST PIPING SYSTEM

The 100% aluminium fittings

PREVOST designs and manufactures its new **PPS1** 100% aluminium fittings to ensure that **they are the most compact and effective on the market.**

→ New concept

Pipes are held in the fitting using a new system: the « **PPS Grip Concept** ». The **PPS Grip Concept** is based on a **stainless steel ring** with teeth that penetrate the aluminium. Leaktightness is achieved via a **new contoured and lubricated seal**, with **optimised design** and properties. The seal remains perfectly leaktight even under the harshest conditions.

→ IDENTIFICATION

The Prevost logo is engraved on each fitting.



→ DIAMETER

Pipe external diameter in mm and inches



→ PRESSURE

Maximum service pressure (bar/psi)



→ MARKER

to indicate that the pipe is correctly positioned in the fitting

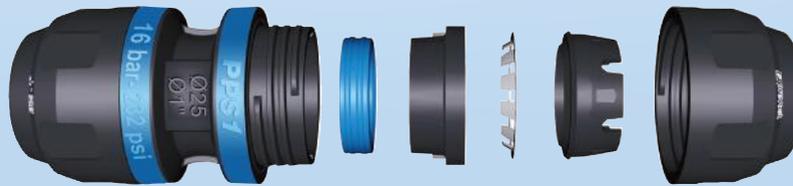


→ TRACEABILITY



→ LEAKTIGHT

The seal has been specifically designed for this application. It comprises two Teflon-coated lobes to optimise leaktight.



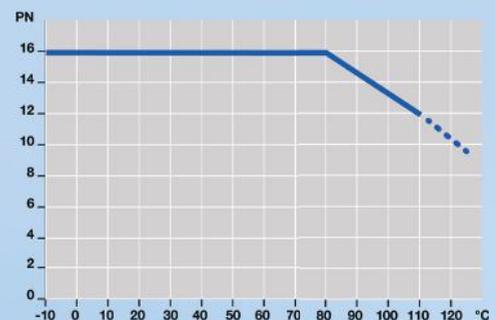
→ INTERNAL PARTS

Internal parts cannot be detached from the body after assembly

↙ TECHNICAL SPECIFICATIONS

- **Service pressure range:** from -0.98 bar to 16 bar
- **Temperature range:** from -20°C to 80°C
- **Body and nut:** 100% aluminium, EN AB 46100
- **PPS Grip Concept:** fastening system using teeth
- Tapping port flange to manage condensates

Operating pressure graph as a function of temperature



New range of **PPS1** 100% aluminium fittings:
the most comprehensive on the market

➔ Diameters from 16 mm (1/2") to 80 mm (3")



➔ Numerous configurations

Straight fittings



Union fitting

Reduction

Cap

Threaded straight connector, male

Threaded straight connector, female

Elbows



90° elbow

90° threaded elbow, male

45° elbow

T-fittings



Equal T-fitting

Reduced T-fitting

Threaded T-fitting, female

PREVOST PIPING SYSTEM

100% aluminium fittings

→ Tapping flange

The body and nut are made **entirely of aluminium**. The tapping tapping flange is extremely compact, and is fitted **with an anti-rotation** system and removable half-shell. It can be drilled without disassembly.

The tapping flange enable dry air supply to the workstations by drawing air via the wall of the pipe.

The water remaining in the lower section of the main pipe will be drained to a low point via an automatic drain trap.



→ Valves

Various versions exist :



pipe / pipe



threaded male / pipe



threaded female / pipe

→ Tightening

The nut and body can be tightened using standard tools and/or with special Prevost wrenches. Torque can be checked using a torque wrench.



PREVOST PIPING SYSTEM

Ground rules for network installation



The **compressor room** should ideally **be spacious, well ventilated, well insulated and separated from the rest of the workshops.**

Machines will **be connected** to the **PPS** network via **hoses** in order to eliminate risks related to vibrations and to enable easier maintenance (refs. LEF and LEM). It is important **to install bypasses between each machine, the tank(s) and the various filters.**

The **main** network should form a **loop**. For safety reasons, it is advisable to install the main compressed air pipes at a minimum height of **2.50 m** from the floor. The diameter of the main pipe (primary pipe) must be sufficient to avoid pressure losses and allow for future extensions. **The main pipe** must be fixed at a **1%** slope in order to direct condensates towards low points (drain traps).

The pipe will be fastened using a sufficient **number of sliding clamps** to ensure that it is held in place, while allowing for the expansion and contraction of the pipe (ref. PPS Cl).

The **residual condensates** will be **drained** from the main line via direct **downpipes installed lower** than the bottom generating line of the pipe and **fitted** with an automatic drain trap system.

➔ Network fastenings

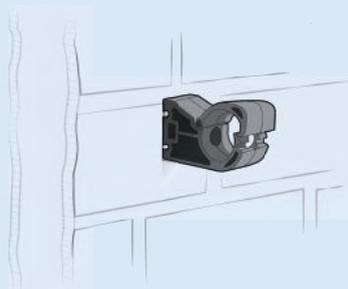
The methods used to fasten the network (to the wall or ceiling) must be selected according to the configuration of the workshop.

The mountings used for the various pipes comprising the installation must be fitted in such a way as to obtain a perfect **alignment that is both solid and well finished**. It is therefore important to comply **with the distances between each mounting**. For correct assembly, a distance of **3 metres** should be left between two clamps.

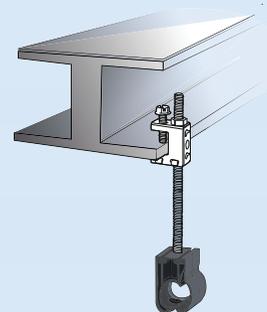
Pipe at a distance from the wall



Pipe parallel to the wall



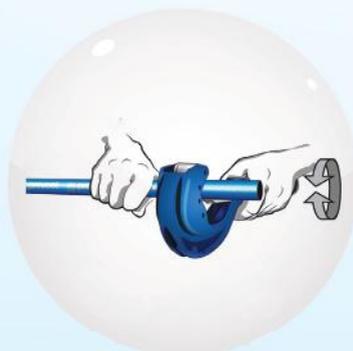
Pipe suspended



PREVOST PIPING SYSTEM

Assembly procedure

CUTTING



The pipe must be cut perpendicular to its length (ref. PPS CTU).

CHAMFERING



Chamfer the external edge of the pipe to make it easier to fit into the fitting and to avoid damage to the seal. A slight chamfer to the inner edge will eliminate any cutting residues. (For diameters 63 and 80 mm, use cutting and chamfering tool ref. PPS CTCHE6380).

TIGHTENING



Re-screw the nut by hand, and then tighten according to recommendations.

ASSEMBLY



Unscrew the nut by several turns, and then insert the pipe while rotating it slightly until the recommended length is reached.
NB: an assembly fluid (ref. PPS AL) is recommended to facilitate the assembly.

MARKING



Mark the tube to indicate the insertion depth in the fitting (use the reference marks on the fittings or on the wrench).

Ergonomic distribution with optimised energy efficiency

PREVOST offers a range of **compressed air network solutions**.

➔ Wall brackets PrevoS1

Wall fasteners are located on downpipes and **provide a safe and quick single or double fitting**.

- Air intake: G 1/2" or G 3/4"
- Multiple connection profiles
- Material: aluminium alloy
- Robust four-point wall anchoring
- Fitted with manual drain
- Air outlet: two single-press safety fittings
- Anti-whiplash fittings compliant with the ISO 4414 standard ensuring user protection
- Orientable body allowing the button position to be moved
- Quick and easy connection and disconnection



➔ Air treatment units

Air treatment units help to preserve pneumatic tools and equipment. Three treatment levels are recommended :



Cyclone separator: serves to effectively eliminate the largest solid particles and water particles present in compressed air (ref. **SPC**).

Refrigerated dryer: serves to remove water from compressed air, by lowering the air temperature to the dew point (+3°C) under pressure, via heat exchange (ref. **ALF**).

25 µm standard filtration: eliminates contaminants present in compressed air (particles, water, etc.). These contaminants are evacuated via the drain valve at the base of the tank (ref. **ALTO**).

For optimum quality, submicron filtration: eliminates various residual contaminants such as solid particles, liquid particles and oil aerosols present in compressed air, with a filtration efficiency of more than 99.99%. This ensures a high-quality air supply (ref. **MICRO AIR**).

➔ Hose reels

Automatic hose reel: this is an essential item to ensure workshop ergonomics. Its **use saves time and enables flexible distribution hoses** to be used in safety and comfort.

All Prevost automatic hose reels comply with the Machinery Directive 2006/42/EC. The following rules are also applied :

- EN ISO 12100: 2010 "Safety of machinery - General principles for design - Risk assessment and risk reduction"
- EN 13857: 2008 "Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs"



For more information, contact us: www.prevost.eu

PREVOST PIPING SYSTEM

Finishing touches

→ Tapping flange

A tapping port flange is used to install a downpipe to supply a workstation. It takes the place of the former gooseneck fittings and serves to limit the presence of condensates.



→ Low point

Low points are required to ensure correct drainage of condensates. These downpipes must be positioned at strategic locations along the network. Condensates may be drained using any conventional drainage system (electronic drain trap, automatic drain trap, valve). Cut-off valves are used to isolate certain parts of the network for maintenance purposes.



→ Wall-mounted connection

The angled wall-mounted connection serves to compensate for different centre-to-centre spacings.

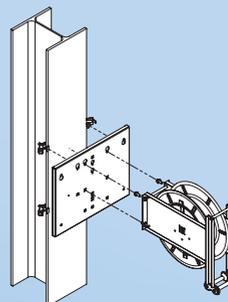
Between the filtration assembly and the network.



→ Plates to mount network accessories on IPN / HEA beams

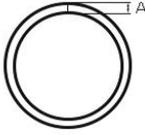
These enable workstations **to be arranged in a safe and ergonomic** manner. The metal plates, used with attachment systems adapted for IPN / HEA beams, **make it possible to fasten equipment in place** quickly and **safely**, without drilling or welding, **in accordance with prevailing requirements**. These plates are designed to receive the following :

- Open and closed reels
- Wall mounts
- **ALTO** air treatment assemblies
- Universal brackets + accessories

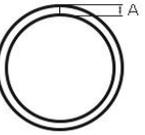


PPS SYSTEM ALL ALUMINIUM RINGMAINS

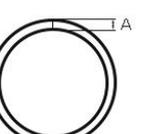
PPS - Aluminium pipe for compressed air

		A	B	C	D	pipe OD (mm)	Length (m)	Parts Numbers
		1,3	-	-	-	-	16	4
1,3	-	-	-	-	20	4	PPS TUB20L4	
1,3	-	-	-	-	20	6	PPS TUB20L6	
1,4	-	-	-	-	25	4	PPS TUB25L4	
1,4	-	-	-	-	25	6	PPS TUB25L6	
1,5	-	-	-	-	32	4	PPS TUB32L4	
1,5	-	-	-	-	32	6	PPS TUB32L6	
1,8	-	-	-	-	40	4	PPS TUB40L4	
1,8	-	-	-	-	40	6	PPS TUB40L6	
2	-	-	-	-	50	6	PPS TUB50L6	
2	-	-	-	-	63	6	PPS TUB63L6	
2,4	-	-	-	-	80	6	PPS TUB80L6	

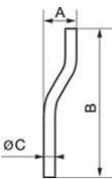
PPS - Aluminium pipe for vakuum

		A	B	C	D	pipe OD (mm)	Length (m)	Parts Numbers
		1,3	-	-	-	-	16	4
1,3	-	-	-	-	20	6	PPS TUG20L6	
1,4	-	-	-	-	25	6	PPS TUG25L6	
1,5	-	-	-	-	32	6	PPS TUG32L6	
1,8	-	-	-	-	40	6	PPS TUG40L6	
2,0	-	-	-	-	50	6	PPS TUG50L6	
2,0	-	-	-	-	63	6	PPS TUG63L6	
2,4	-	-	-	-	80	6	PPS TUG80L6	

PPS - Aluminium pipe for nitrogen

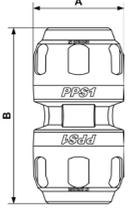
		A	B	C	D	pipe OD (mm)	Length (m)	Parts Numbers
		1,3	-	-	-	-	20	6
1,4	-	-	-	-	25	6	PPS TUV25L6	

PPS - Aluminium bended link pipe

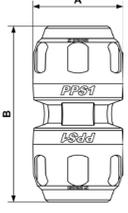
		A	B	C	D	pipe OD (mm)	Parts Numbers
		180	450	16	-	16	
150	415	20	-	20		PPS LMCB20	
160	470	25	-	25		PPS LMCB25	

PPS SYSTEM ALL ALUMINIUM RINGMAINS

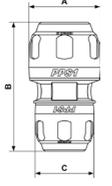
PPS1 UN - Aluminium female union for pipe

		A	B	C	D	For pipe OD (mm)	Parts Numbers
		32	64	-	-	16	
38	78	-	-	20		PPS1 UN20	
46	90	-	-	25		PPS1 UN25	
57	106	-	-	32		PPS1 UN32	
68	125	-	-	40		PPS1 UN40	
84	152	-	-	50		PPS1 UN50	
100	173	-	-	63		PPS1 UN63	
121	205	-	-	80		PPS1 UN80	

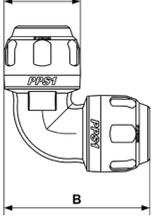
PPS1 UNS - Aluminium female slide union for pipe

		A	B	C	D	For pipe OD (mm)	Parts Numbers
		46	90	-	-	25	
57	106	-	-	32		PPS1 UNS32	
68	125	-	-	40		PPS1 UNS40	
84	152	-	-	50		PPS1 UNS50	
100	173	-	-	63		PPS1 UNS63	
121	205	-	-	80		PPS1 UNS80	

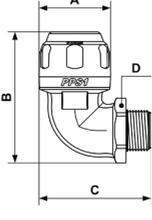
PPS1 MR - Aluminium pipe reducing fitting

		A	B	C	D	For pipe OD (mm)	For pipe OD (mm)	Parts Numbers
		46	85	38	-	25	20	
57	102	46	-	32	25		PPS1 MR3225	
68	122	57	-	40	32		PPS1 MR4032	
84	142	68	-	50	40		PPS1 MR5040	
100	170	84	-	63	50		PPS1 MR6350	
121	194	100	-	80	63		PPS1 MR8063	

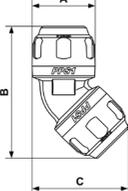
PPS1 9C - 90° C Aluminium equal female elbow for pipe

		A	B	C	D	For pipe OD (mm)	Parts Numbers
		32	62	-	-	16	
38	73	-	-	20		PPS1 9C20	
46	89	-	-	25		PPS1 9C25	
57	106	-	-	32		PPS1 9C32	
68	135	-	-	40		PPS1 9C40	
100	180	-	-	63		PPS1 9C63	
121	218	-	-	80		PPS1 9C80	

PPS1 9CM - 90°C aluminium tapered male threaded elbow for pipe

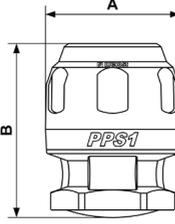
		A	B	C	D	For pipe OD (mm)	BSPT male thread	Parts Numbers
		32	60	50	26	16	R 3/8	
32	60	55	26	16	R 1/2		PPS1 9CM1612	
38	72	61	32	20	R 1/2		PPS1 9CM2012	
46	87	72	38	25	R 1/2		PPS1 9CM2512	
46	87	71	38	25	R 3/4		PPS1 9CM2527	
57	103	88	46	32	R 1		PPS1 9CM3234	
68	123	106	57	40	R 1 1/4		PPS1 9CM4042	
68	123	106	57	40	R 1 1/2		PPS1 9CM4049	

PPS1 4C - 45° C Aluminium equal female elbow for pipe

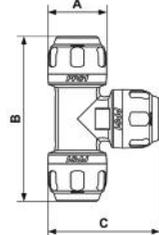
		A	B	C	D	For pipe OD (mm)	Parts Numbers
		32	70	50	-	16	
38	83	59	-	20		PPS1 4C20	
46	98	70	-	25		PPS1 4C25	
57	117	85	-	32		PPS1 4C32	
68	140	102	-	40		PPS1 4C40	

PPS SYSTEM ALL ALUMINIUM RINGMAINS

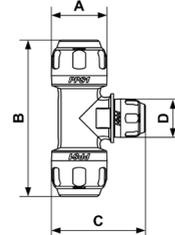
PPS1 BO - Aluminium female cap for pipe

		A	B	C	D	For pipe OD (mm)	Parts Numbers
		32	45	-	-	16	
38	53	-	-	20		PPS1 B020	
46	61	-	-	25		PPS1 B025	
57	70	-	-	32		PPS1 B032	
68	85	-	-	40		PPS1 B040	
84	101	-	-	50		PPS1 B050	
100	124	-	-	63		PPS1 B063	
121	146	-	-	80		PPS1 B080	

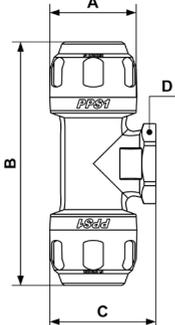
PPS1 TE - Aluminium equal female tee piece for pipe

		A	B	C	D	For pipe OD (mm)	Parts Numbers
		32	90	62	-	16	
38	108	73	-	20		PPS1 TE20	
46	131	89	-	25		PPS1 TE25	
57	155	106	-	32		PPS1 TE32	
68	183	135	-	40		PPS1 TE40	
84	219	151	-	50		PPS1 TE50	
100	261	180	-	63		PPS1 TE63	
121	315	218	-	80		PPS1 TE80	

PPS1 TR - Aluminium reducing tee piece

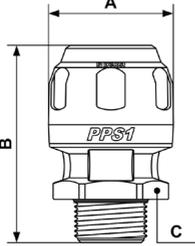
		A	B	C	D	For pipe OD (mm)	For pipe OD (mm)	Parts Numbers
		38	108	66	32	20	16	
46	131	78	32	25	16		PPS1 TR2516	
46	131	83	38	25	20		PPS1 TR2520	
57	155	91	32	32	16		PPS1 TR3216	
57	155	96	38	32	20		PPS1 TR3220	
57	155	102	46	32	25		PPS1 TR3225	

PPS1 TT - Aluminium parallel female threaded tee piece for pipe

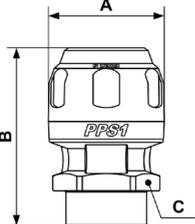
		A	B	C	D	For pipe OD (mm)	BSPP female thread	Parts Numbers
		32	90	40	26	16	G 3/8	PPS1 TT1617
38	108	47	32	20	G 1/2	PPS1 TT2012		
46	131	56	38	25	G 1/2	PPS1 TT2512		
46	131	56	38	25	G 3/4	PPS1 TT2527		
57	155	68	46	32	G 3/4	PPS1 TT3227		
57	155	68	46	32	G 1	PPS1 TT3234		
68	183	85	57	40	G 3/4	PPS1 TT4027		
68	183	85	57	40	G 1	PPS1 TT4034		
68	183	85	57	40	G 1 1/4	PPS1 TT4042		
84	219	101	72	50	G 1	PPS1 TT5034		
84	219	101	72	50	G 1 1/4	PPS1 TT5042		
84	219	101	72	50	G 1 1/2	PPS1 TT5049		
100	261	129	90	63	G 1	PPS1 TT6334		
100	261	129	90	63	G 1 1/4	PPS1 TT6342		
100	261	129	90	63	G 1 1/2	PPS1 TT6349		
100	261	129	90	63	G 2	PPS1 TT6360		
121	315	155	110	80	G 1	PPS1 TT8034		
121	315	155	110	80	G 1 1/2	PPS1 TT8049		
121	315	155	110	80	G 2	PPS1 TT8060		
121	315	155	110	80	G 2 1/2	PPS1 TT8076		

PPS SYSTEM ALL ALUMINIUM RINGMAINS

PPS1 MM - Aluminium tapered male threaded straight fitting for pipe

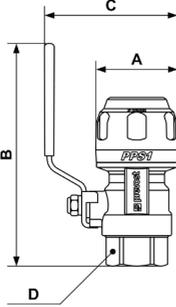
			A	B	C	D	For pipe OD (mm)	BSPT male thread	Parts Numbers
			32	58	26	-	16	R 3/8	PPS1 MM1617
32	52	26	-	16	R 1/2	PPS1 MM1612			
38	65	32	-	20	R 1/2	PPS1 MM2012			
38	67	32	-	20	R 3/4	PPS1 MM2027			
46	73	38	-	25	R 1/2	PPS1 MM2512			
46	74	38	-	25	R 3/4	PPS1 MM2527			
46	78	38	-	25	R 1	PPS1 MM2534			
57	88	46	-	32	R 1	PPS1 MM3234			
57	89	46	-	32	R 1 1/4	PPS1 MM3242			
68	106	57	-	40	R 1 1/4	PPS1 MM4042			
68	106	57	-	40	R 1 1/2	PPS1 MM4049			
84	120	72	-	50	R 1 1/2	PPS1 MM5049			
84	124	72	-	50	R 2	PPS1 MM5060			
100	146	90	-	63	R 2	PPS1 MM6360			
100	152	90	-	63	R 2 1/2	PPS1 MM6376			
121	173	110	-	80	R 2 1/2	PPS1 MM8076			
121	175	110	-	80	R 3	PPS1 MM8090			

PPS1 MF - Aluminium female parallel threaded straight fitting for pipe

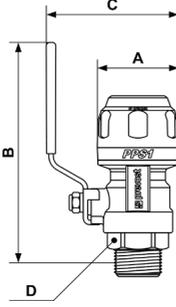
			A	B	C	D	For pipe OD (mm)	BSPP female thread	Parts Numbers
			32	53	26	-	16	G 3/8	PPS1 MF1617
32	53	26	-	16	G 1/2	PPS1 MF1612			
38	63	32	-	20	G 1/2	PPS1 MF2012			
38	63	32	-	20	G 3/4	PPS1 MF2027			
46	72	38	-	25	G 1/2	PPS1 MF2512			
46	72	38	-	25	G 3/4	PPS1 MF2527			
46	72	38	-	25	G 1	PPS1 MF2534			
57	83	46	-	32	G 1	PPS1 MF3234			
57	83	46	-	32	G 1 1/4	PPS1 MF3242			
68	98	57	-	40	G 1 1/4	PPS1 MF4042			
68	103	57	-	40	G 1 1/2	PPS1 MF4049			
84	110	72	-	50	G 1 1/2	PPS1 MF5049			
84	115	72	-	50	G 2	PPS1 MF5060			
100	137	90	-	63	G 2	PPS1 MF6360			
100	142	90	-	63	G 2 1/2	PPS1 MF6376			
121	164	110	-	80	G 2 1/2	PPS1 MF8076			
121	164	110	-	80	G 3	PPS1 MF8090			

PPS SYSTEM ALL ALUMINIUM RINGMAINS

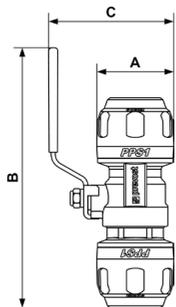
PPS1 RSIF - Aluminium parallel female threaded valves with fittings for pipe

		A	B	C	D	For pipe OD (mm)	BSPP female thread	Parts Numbers
		32	121	64	-	16	G 1/2	PPS1 RSIF1612
38	121	66	-	20	G 1/2	PPS1 RSIF2012		
46	125	75	-	25	G 3/4	PPS1 RSIF2527		
57	151	85	-	32	G 1	PPS1 RSIF3234		
68	157	99,10	-	40	G 1 1/4	PPS1 RSIF4042		
84	204,5	122,5	-	50	G 1 1/2	PPS1 RSIF5049		
100	270	314	-	63	G 2	PPS1 RSIF6360		
121	300	250	-	80	G 2 1/2	PPS1 RSIF8076		

PPS1 RSIM - Aluminium parallel male threaded valves with fittings for pipe

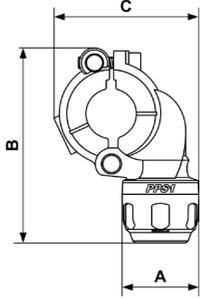
		A	B	C	D	For pipe OD (mm)	BSPT male thread	Parts Numbers
		32	130	64	-	16	R 1/2	PPS1 RSIM1612
38	130	66	-	20	R 1/2	PPS1 RSIM2012		
46	133	75	-	25	R 3/4	PPS1 RSIM2527		
57	160	85	-	32	R 1	PPS1 RSIM3234		
68	168,5	99,1	-	40	R 1 1/4	PPS1 RSIM4042		
84	215	122,5	-	50	R 1 1/2	PPS1 RSIM5049		

PPS1 RSI - Aluminium piping ball valve

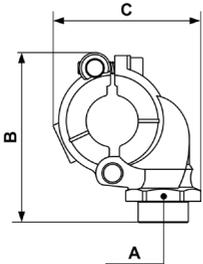
		A	B	C	D	For pipe OD (mm)	Parts Numbers
		32	140	64	-	16	PPS1 RSI16
38	147	66	-	20	PPS1 RSI20		
46	157	75	-	25	PPS1 RSI25		
57	189	85	-	32	PPS1 RSI32		
68	202	99,1	-	40	PPS1 RSI40		
84	234	122,5	-	50	PPS1 RSI50		
100	355	214	-	63	PPS1 RSI63		
121	394	250	-	80	PPS1 RSI80		

PPS SYSTEM ALL ALUMINIUM RINGMAINS

PPS1 BP - Aluminium tapping flange for pipe

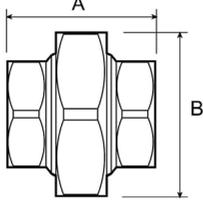
			A	B	C	D	For pipe OD (mm)	For pipe OD (mm)	Parts Numbers
			32	94	70	-	25	16	PPS1 BP2516
38	98	72	-	25	20	PPS1 BP2520			
32	94	70	-	32	16	PPS1 BP3216			
38	98	72	-	32	20	PPS1 BP3220			
32	122	102	-	40	16	PPS1 BP4016			
38	127	102	-	40	20	PPS1 BP4020			
46	130	103	-	40	25	PPS1 BP4025			
32	122	102	-	50	16	PPS1 BP5016			
38	127	102	-	50	20	PPS1 BP5020			
46	130	103	-	50	25	PPS1 BP5025			
38	163	147	-	63	20	PPS1 BP6320			
46	167	147	-	63	25	PPS1 BP6325			
57	165	147	-	63	32	PPS1 BP6332			
38	163	147	-	80	20	PPS1 BP8020			
46	167	147	-	80	25	PPS1 BP8025			
57	165	147	-	80	32	PPS1 BP8032			

PPS1 BT - Aluminium threaded tapping flange for pipe

			A	B	C	D	For pipe OD (mm)	BSPF female thread	Parts Numbers
			32	82	70	-	25	G 3/8	PPS1 BT2517
32	82	70	-	25	G 1/2	PPS1 BT2512			
32	82	70	-	32	G 1/2	PPS1 BT3212			
32	84	70	-	32	G 3/4	PPS1 BT3227			
44	110	102	-	40	G 1/2	PPS1 BT4012			
44	110	102	-	40	G 3/4	PPS1 BT4027			
44	110	102	-	40	G 1	PPS1 BT4034			
44	110	102	-	50	G 1/2	PPS1 BT5012			
44	110	102	-	50	G 3/4	PPS1 BT5027			
44	110	102	-	50	G 1	PPS1 BT5034			
57	161	147	-	63	G 1/2	PPS1 BT6312			
57	161	147	-	63	G 3/4	PPS1 BT6327			
57	162	147	-	63	G 1	PPS1 BT6334			
57	161	147	-	80	G 1/2	PPS1 BT8012			
57	161	147	-	80	G 3/4	PPS1 BT8027			
57	162	147	-	80	G 1	PPS1 BT8034			

ACCESSORIES FOR PPS RINGMAIN ASSEMBLING

A3T - 3-pieces female swivel equal socket

		A	B	C	D	E	BSPP female thread	Parts Numbers
		48.5	53	-	-	-	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

PPS1 NUT - Aluminium nut

	A	B	C	D	For fitting Ø (mm)	Parts Numbers
	-	-	-	-	16	PPS1 NUT16
	-	-	-	-	20	PPS1 NUT20
	-	-	-	-	25	PPS1 NUT25
	-	-	-	-	32	PPS1 NUT32
	-	-	-	-	40	PPS1 NUT40
	-	-	-	-	50	PPS1 NUT50
	-	-	-	-	63	PPS1 NUT63
	-	-	-	-	80	PPS1 NUT80

PPS1 SEAL - Gasket kit

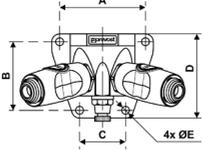
	A	B	C	D	For fitting Ø (mm)	Parts Numbers
	-	-	-	-	16	PPS1 SEAL16
	-	-	-	-	20	PPS1 SEAL20
	-	-	-	-	25	PPS1 SEAL25
	-	-	-	-	32	PPS1 SEAL32
	-	-	-	-	40	PPS1 SEAL40
	-	-	-	-	50	PPS1 SEAL50
	-	-	-	-	63	PPS1 SEAL63
	-	-	-	-	80	PPS1 SEAL80

PPS1 IP - Internal parts kit

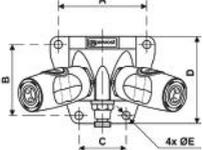
		A	B	C	D	For fitting Ø (mm)	Parts Numbers
		-	-	-	-	16	PPS1 IP16
		-	-	-	-	20	PPS1 IP20
		-	-	-	-	25	PPS1 IP25
		-	-	-	-	32	PPS1 IP32
		-	-	-	-	40	PPS1 IP40
		-	-	-	-	50	PPS1 IP50
		-	-	-	-	63	PPS1 IP63
		-	-	-	-	80	PPS1 IP80

PREVO S1 TWO PORT WALL BRACKETS

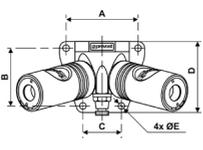
Female threaded two port wall bracket - 2 fittings and drain - British Profile - ID passage 6 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 1/2	BSI 06	BSI 068103WK
		71	57	38	70	6.5	G 3/4	BSI 06	BSI 068104WK

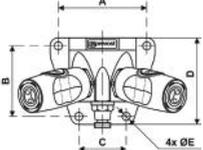
Female threaded two port wall bracket - 2 fittings and drain - European High Flow Profile - ID passage 7,4 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 1/2	ESI 07	ESI 078103WK
		71	57	38	70	6.5	G 3/4	ESI 07	ESI 078104WK

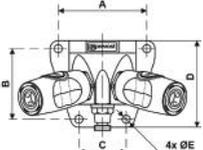
Female threaded two port wall bracket - 2 fittings and drain - European High Flow Profile - ID passage 10,4 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 3/4	ESI 11	ESI 118104WK

Female threaded two port wall bracket - 2 fittings and drain - ISO B Profile - ID passage 6 mm

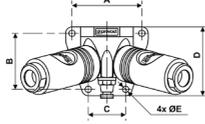
		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 1/2	ISI 06	ISI 068103WK
		71	57	38	70	6.5	G 3/4	ISI 06	ISI 068104WK

Female threaded two port wall bracket - 2 fittings and drain - ISO B Profile - ID passage 8 mm

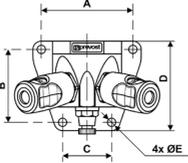
		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 1/2	ISI 08	ISI 088103WK
		71	57	38	70	6.5	G 3/4	ISI 08	ISI 088104WK

PREVO S1 TWO PORT WALL BRACKETS

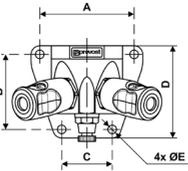
Female threaded two port wall bracket - 2 fittings and drain - ISO B Profile - ID passage 11 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 3/4	ISI 11	ISI 118104WK

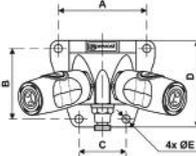
Female threaded two port wall bracket - 2 fittings and drain - ISO C Profile - ID passage 6 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 1/2	CSI 06	CSI 068103WK
		71	57	38	70	6.5	G 3/4	CSI 06	CSI 068104WK

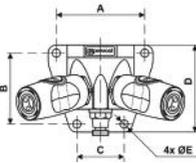
Female threaded two port wall bracket - 2 fittings and drain - ISO C Profile - ID passage 8 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 1/2	CSI 08	CSI 088103WK
		71	57	38	70	6.5	G 3/4	CSI 08	CSI 088104WK

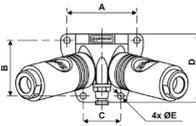
Female threaded two port wall bracket - 2 fittings and drain - Truflate Profile - ID passage 6 mm

		A	B	C	D	E	Inlet NPT female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	1/2" NPT	USI 06	USI 068203WK
		71	57	38	70	6.5	3/4" NPT	USI 06	USI 068204WK

Female threaded two port wall bracket - 2 fittings and drain - Truflate Profile - ID passage 8 mm

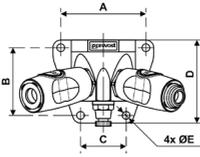
		A	B	C	D	E	Inlet NPT female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	1/2" NPT	USI 08	USI 088203WK
		71	57	38	70	6.5	3/4" NPT	USI 08	USI 088204WK

Female threaded two port wall bracket - 2 fittings and drain - Truflate Profile - ID passage 10 mm

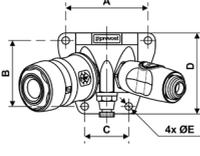
		A	B	C	D	E	Inlet NPT female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	3/4" NPT	USI 11	USI 118204WK

PREVO S1 MIXED TWO PORT WALL BRACKETS

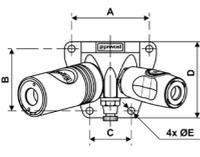
Female threaded two port wall bracket - 2 fittings and drain - European Profile - ID passage 7.4 mm and British profile

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 3/4	ESI 07 BSI 06	ESI 078104WKB6

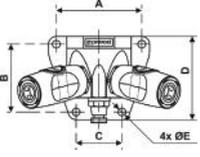
Female threaded two port wall bracket - 2 fittings and drain - ISO B Profile - ID 11 mm and British Profile - ID 6 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 3/4	ISG 11 BSI 06	ISG 118104WKB6

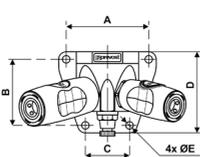
Female threaded two port wall bracket - 2 fittings and drain - European Profile - ID passage 10,4 mm and 7,4 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 3/4	ESI 11 ESI 07	ESI 118104WKE7

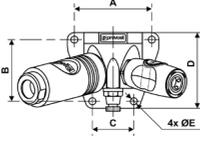
Female threaded two port wall bracket - 2 fittings and drain - ISO B Profile - ID passage 6 mm and European profile, ID passage 7,4 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6,5	G 3/4	ISI 06 ESI 07	ISI 068104WKE7

Female threaded two port wall bracket - 2 fittings and drain - ISO B Profile - ID passage 8 and 6 mm

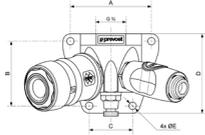
		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 3/4	ISI 08 ISI 06	ISI 088104WKI6

Female threaded two port wall bracket - 2 fittings and drain - ISO B Profile - ID passage 11 and 6 mm

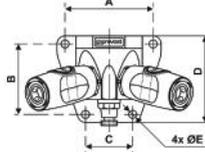
		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 3/4	ISI 11 ISI 06	ISI 118104WKI6

PREVO S1 MIXED TWO PORT WALL BRACKETS

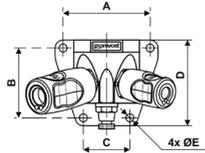
Female threaded two port wall bracket - 2 fittings and drain - ISO B Profile - ISG - ID passage 11 mm and ISI - ID passage 6 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 3/4	ISG 11 ISI 06	ISG 118104WKI6

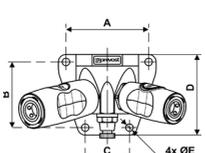
Female threaded two port wall bracket - 2 fittings and drain - ISO B Profile and ISO C - ID passage 6 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 3/4	ISI 06 CSI 06	ISI 068104WKC6

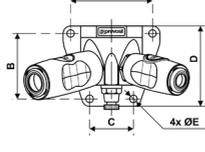
Female threaded two port wall bracket - 2 fittings and drain - ISO C Profile - ID passage 8 mm and 6 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	G 3/4	CSI 06 CSI 08	CSI 088104WKC6

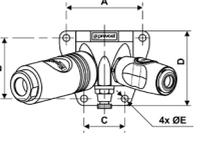
Female threaded two port wall bracket - 2 couplings and drain - Truflate and ISO B Profile - ID passage 6 mm

		A	B	C	D	E	Inlet NPT female thread	Outlet: 2 couplings	Référence
		71	57	38	70	6.5	3/4" FNPT	USI 06 ISI 06	USI 068204WKI6

Female threaded two port wall bracket - 2 fittings and drain - Truflate Profile - ID passage 8 mm and 6 mm

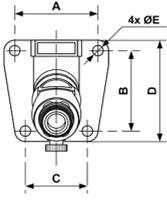
		A	B	C	D	E	Inlet NPT female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	3/4" NPT	USI 08 USI 06	USI 08820WKU6

Female threaded two port wall bracket - 2 fittings and drain - Truflate Profile - ID passage 11 mm and 6 mm

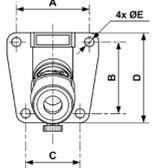
		A	B	C	D	E	Inlet NPT female thread	Outlet: 2 fittings	Parts Numbers
		71	57	38	70	6.5	3/4" FNPT	USI 11	USI 11820WKU6

PREVO S1 ONE PORT WALL BRACKETS

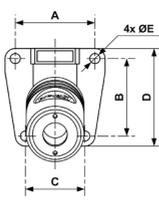
Female threaded one port wall bracket - 1 fitting and drain - British Profile - ID passage 6 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 1 fitting	Parts Numbers
		51	50	38	63	6,5	G 1/2	BSI 06	BSI 061103WK

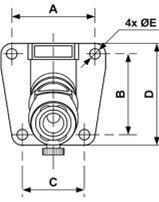
Female threaded one port wall bracket - 1 fitting and drain - European High Flow Profile - ID passage 7,4 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 1 fitting	Parts Numbers
		51	50	38	63	6,5	G 1/2	ESI 07	ESI 071103WK

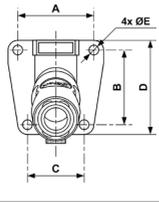
Female threaded one port wall bracket - 1 fitting and drain - European High Flow Profile - ID passage 10,4 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 1 fitting	Parts Numbers
		51	50	38	63	6,5	G 1/2	ESI 11	ESI 111103WK

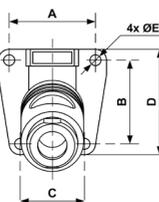
Female threaded single wall bracket - 1 fitting and drain - ISO B Profile - ID passage 6 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 1 fitting	Parts Numbers
		51	50	38	63	6,5	G 1/2	ISI 06	ISI 061103WK

Female threaded one port wall bracket - 1 fitting and drain - ISO B Profile - ID passage 8 mm

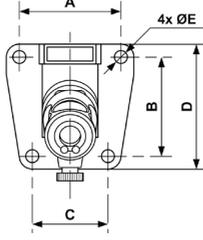
		A	B	C	D	E	Inlet BSPP female thread	Outlet: 1 fitting	Parts Numbers
		51	50	38	63	6,5	G 1/2	ISI 08	ISI 081103WK

Female threaded one port wall bracket - 1 fitting and drain - ISO B Profile - ID passage 11 mm

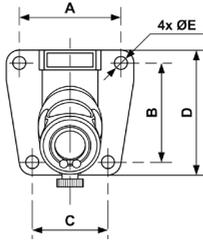
		A	B	C	D	E	Inlet BSPP female thread	Outlet: 1 fitting	Parts Numbers
		51	50	38	63	6,5	G 1/2	ISI 11	ISI 111103WK

PREVO S1 ONE PORT WALL BRACKETS

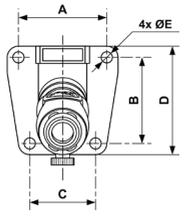
Female threaded one port wall bracket - 1 fitting and drain - ISO C Profile - ID passage 6 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 1 fitting	Parts Numbers
		51	50	38	63	6,5	G 1/2	CSI 06	CSI 061103WK

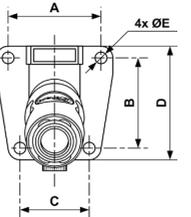
Female threaded one port wall bracket - 1 fitting and drain - ISO C Profile - ID passage 8 mm

		A	B	C	D	E	Inlet BSPP female thread	Outlet: 1 fitting	Parts Numbers
		51	50	38	63	6,5	G 1/2	CSI 08	CSI 081103WK

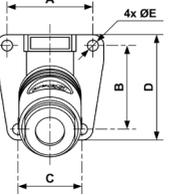
Female threaded two port wall bracket - 1 fitting and drain - Truflate Profile - ID passage 6 mm

		A	B	C	D	E	Inlet NPT female thread	Outlet: 1 fitting	Parts Numbers
		51	50	38	63	6,5	G 1/2	USI 06	USI 06120WK

Female threaded two port wall bracket - 1 fitting and drain - Truflate Profile - ID passage 8 mm

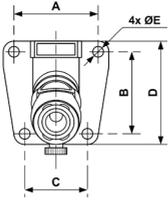
		A	B	C	D	E	Inlet NPT female thread	Outlet: 1 fitting	Parts Numbers
		51	50	38	63	6,5	G 1/2	USI 08	USI 0612003WK

Female threaded one port wall bracket - 1 fitting and drain - Truflate Profile - ID passage 10 mm

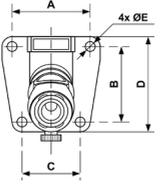
		A	B	C	D	E	Inlet NPT female thread	Outlet: 1 fitting	Parts Numbers
		51	50	38	63	6,5	G 1/2	USI 08	USI 081203WK

PREVO S1 WALL BRACKETS

Female threaded single wall bracket - Outlet 1 fitting and drain

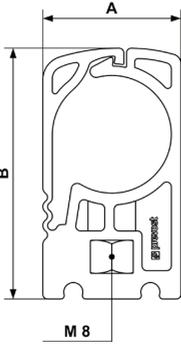
		A	B	C	D	E	Inlet BSPP female thread	Outlet BSPP female thread	Parts Numbers
		51	50	38	63	6.5	G 1/2	G 1/2	MF 103S1

Female threaded single wall bracket - Outlet 2 fittings and drain

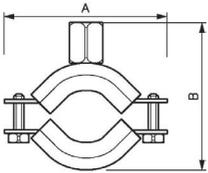
		A	B	C	D	E	Inlet BSPP female thread	Outlet BSPP female thread	Parts Numbers
		71	57	38	70	6.5	G 1/2	G 1/2	MF 103S2
		71	57	38	70	6.5	G 3/4	G 3/4	MF 104S2

ACCESSORIES PPS RINGMAINS

PPS1 CI - Piping clamp

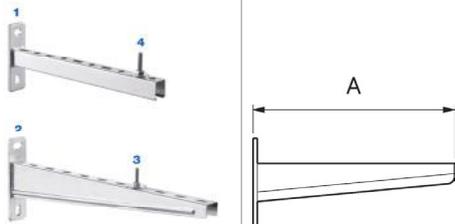
 <p>Ø 16 - 32</p> <p>Ø 40 - 80</p>		A	B	C	D	For pipe OD (mm)	Parts Numbers
		24	47	-	-	16	PPS1 CI16
		24	49	-	-	20	PPS1 CI20
		29	53	-	-	25	PPS1 CI25
		38	57	-	-	32	PPS1 CI32
		49	99,5	-	-	40	PPS1 CI40
		59	104,5	-	-	50	PPS1 CI50
		75	135	-	-	63	PPS1 CI63
		90	145	-	-	80	PPS1 CI80

M8 threaded hanger

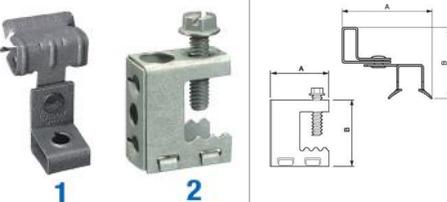
		A	B	For pipe OD (mm)	Parts Numbers
		64	51	20	CPF 20
		70	52	25	CPF 25
		78	60	32	CPF 32
		91	67	40	CPF 40
		100	73	50	CPF 50
		102	83	63	CPF 63
		124	116	80	CPF 80

ACCESSORIES FOR PPS RINGMAINS

Metal support bracket

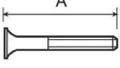
		A	B	Description	Length (mm)	Max load distributed over the entire length (kg)	Parts Numbers
		180	-	Length 180 mm Max load distributed over the entire length: 133 kg (1)	180	133 (1)	CS 180L
		300	-	Length 300 mm Max load distributed over the entire length: 80 kg (1)	300	80 (1)	CS 310L
		420	-	Length 420 mm Max load distributed over the entire: 56,4 kg (1)	420	56,4 (1)	CS 420L
		510	-	Length 510 mm Max load distributed over the entire length: 75 kg (2)	510	75 (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

		A	B	Panel thickness (mm)	Metric thread	Parts Numbers
		47	45	3 to 8 (1)		CP 38
		53	45	8 to 14 (1)		CP 814
		58	45	14 to 20 (1)		CP 1420
		30	34	0 to 16 (2)	M6 cr cross-piece	CP 016

ACCESSORIES PPS RINGMAINS

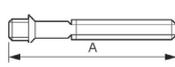
Screw Ø 6 mm

		A	B	Length (mm)	Parts Numbers
		60	-	60	TVB 660
		90	-	90	TVB 690

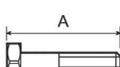
Threaded screw M8

		A	B	Length (mm)	Parts Numbers
		60	-	60	TVM 860

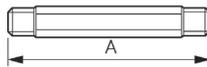
M8 threaded hanger galvanized stud

		A	B	Length (mm)	Use	Metric thread	Parts Numbers
		50	-	50	For use with all construction materials	M8	PV 80
		80	-	80	For use with all construction materials	M8	PV 880

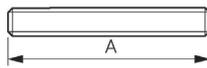
Hexagonal screw Ø 8 mm

		A	B	Length (mm)	Parts Numbers
		50	-	50	TTF 850
		80	-	80	TTF 880

Stud M8

		A	B	Metric thread	Parts Numbers
		77	-	M8	TL M8

M8 threaded stud

		A	B	Description	Metric thread	Length	Parts Numbers
		100	-	Threaded stud	M8	1m	TF M8100
		30	-	Union for M8 threaded stud	M8	-	TL RM8
		-	-	Lock Nut Price per 100	M8	-	TE M8

PPS SYSTEM ALL ALUMINIUM RINGMAINS

PPS1 CLE - Tightening wrench

	A	B	C	D	For fitting Ø (mm)	Parts Numbers
	-	-	-	-	16	PPS1 CLE16
	-	-	-	-	20	PPS1 CLE20
	-	-	-	-	25	PPS1 CLE25
	-	-	-	-	32	PPS1 CLE32
	-	-	-	-	40	PPS1 CLE40
	-	-	-	-	50	PPS1 CLE50
	-	-	-	-	63	PPS1 CLE63
	-	-	-	-	80	PPS1 CLE80

PPS SP - Drill for taping flange

	A	B	C	D	Drill Ø (mm)	For pipe OD (mm)	Parts Numbers
	-	-	-	-	16	16 to 32	PPS SP16
	-	-	-	-	22	40 to 50	PPS SP22
	-	-	-	-	30	63 to 80	PPS SP30
Boring through for flange							

PPS CHE - Pipe chamfering and deburring tools

	A	B	C	D	For tube OD (mm)	Function	Parts Numbers
	-	-	-	-	16 to 50		PPS CHE50
	-	-	-	-	16 to 50		PPS CHE50P
	-	-	-	-		Deburring inside/outside	PPS CHERAP

PPS CTU - Pipe cutter

	A	B	C	D	For pipe OD (mm)	Parts Numbers
	-	-	-	-		16 to 63

PPS SYSTEM ALL ALUMINIUM RINGMAINS

PPS CTCHE - Pipe cutting and chamfering tool

	A	B	C	D	For pipe OD (mm)	Parts Numbers
	-	-	-	-	63 and 80	PPS CTCHE6380

PPS EBA - Chamfering tool for hammer drill

	A	B	C	D	For pipe OD (mm)	Parts Numbers
	-	-	-	-	16 at 40	PPS EBA
With adaptor for drills						

PPS AL - Liquid for assembly

	A	B	C	D	Capacity (ml)	Parts Numbers
	-	-	-	-	750	PPS AL

RANGE CASE

PPS CT - Tools case for pipes preparation

	Includes	Description	Drill Ø	Inlet for pipe OD	Reference
	PPS CTU63	Tube cutter for PPS tube Ø ext 16 to 63 mm			PPS CT650
	PPS CHE50	Chamfering tool for tube Ø ext 16 to 50 mm			
	PPS CHERAP	Deburring int / ext			
	PPS SP16	Hole saw for drilling tube	16 mm	16 - 32 mm	
	PPS SP22	Hole saw for drilling tube	22 mm	40 - 50 mm	
	PPS PEN	Marker pen			

PPS CK - Tightening wrenches case

	Includes	Description	Parts Numbers
	PPS1 CLE16 PPS1 CLE20 PPS1 CLE25 PPS1 CLE32 PPS PEN	Tightening wrench Ø 16 mm Tightening wrench Ø 20 mm Tightening wrench Ø 25 mm Tightening wrench Ø 32 mm Marker pen	PPS CK1632
	PPS1 CLE40 PPS1 CLE50 PPS PEN	Tightening wrench Ø 40 mm Tightening wrench Ø 50 mm Marker pen	PPS CK4050
PPS1 CLE63 PPS1 CLE80 PPS PEN	Tightening wrench Ø 63 mm Tightening wrench Ø 80 mm Marker pen	PPS CK6380	

LINK HOSES

Flexible hoses to compensate for network expansion and contraction - Tapered male swivel connections

	BSPT male thread	Length (m)	Bend radius (at 20°C mm)	Max operating pressure (bar)	Temperature (°C)	Parts Numbers
	R 3/4	0,75	240	105	-40° +70° C	LAM 27
	R 1	0,75	300	88	-40° +70° C	LAM 34
	R 1 1/4	1,1	420	63	-40° +70° C	LAM 42
	R 1 1/2	1,25	500	50	-40° +70° C	LAM 49
	R 2	1	630	40	-40° +70° C	LAM 60

Connection hoses - Female swivel connections

	BSPP female thread	Length (m)	Bend radius (at 20°C mm)	Max operating pressure (bar)	Temperature (°C)	Parts Numbers
	G 3/8	1,5	130	180	-40° +110° C	LEF 17
	G 1/2	1,5	130	160	-40° +110° C	LEF 21
	G 3/4	1,5	240	105	-40° +110° C	LEF 27
	G 1	1,5	300	88	-40° +110° C	LEF 34
	G 1 1/4	2,2	420	63	-40° +110° C	LEF 42
	G 1 1/2	2,5	500	50	-40° +110° C	LEF 49
	G 2	2	630	80	-40° +110° C	LEF 60

Connection hoses with steel safety cable - Female swivel connections

	BSPP female thread	Length (m)	Bend radius (at 20°C mm)	Max operating pressure (bar)	Temperature (°C)	Parts Numbers
	G 3/8	1,5	130	180	-40° + 110°C	LEF 17S
	G 1/2	1,5	130	160	-40° +110° C	LEF 21S
	G 3/4	1,5	240	105	-40° +110° C	LEF 27S
	G 1	1,5	300	88	-40° +110° C	LEF 34S

Connection hoses - Male swivel connections

	BSPT male thread	Length (m)	Bend radius (at 20°C mm)	Max operating pressure (bar)	Temperature (°C)	Parts Numbers
	R 3/8	1,5	130	180	-40° +110° C	LEM 17
	R 1/2	1,5	180	160	-40° +110° C	LEM 21
	R 3/4	1,5	240	105	-40° +110° C	LEM 27
	R 1	1,5	300	80	-40° +110° C	LEM 34
	R 1 1/4	2,2	420	63	-40° +110° C	LEM 42
	R 1 1/2	2,5	500	50	-40° +110° C	LEM 49
	R 2	2	630	80	-40° +110° C	LEM 60

Connection hoses with safety cable - Male swivel connections

	BSPT male thread	Length (m)	Bend radius (at 20°C mm)	Max operating pressure (bar)	Temperature (°C)	Parts Numbers
	R 3/8	1,5	130	180	-40° +110° C	LEM 17S
	R 1/2	1,5	180	160	-40° +110° C	LEM 21S
	R 3/4	1,5	240	105	-40° +110° C	LEM 27S
	R 1	1,5	300	88	-40° +110° C	LEM 34S



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Publication PREVOST - 03.2017