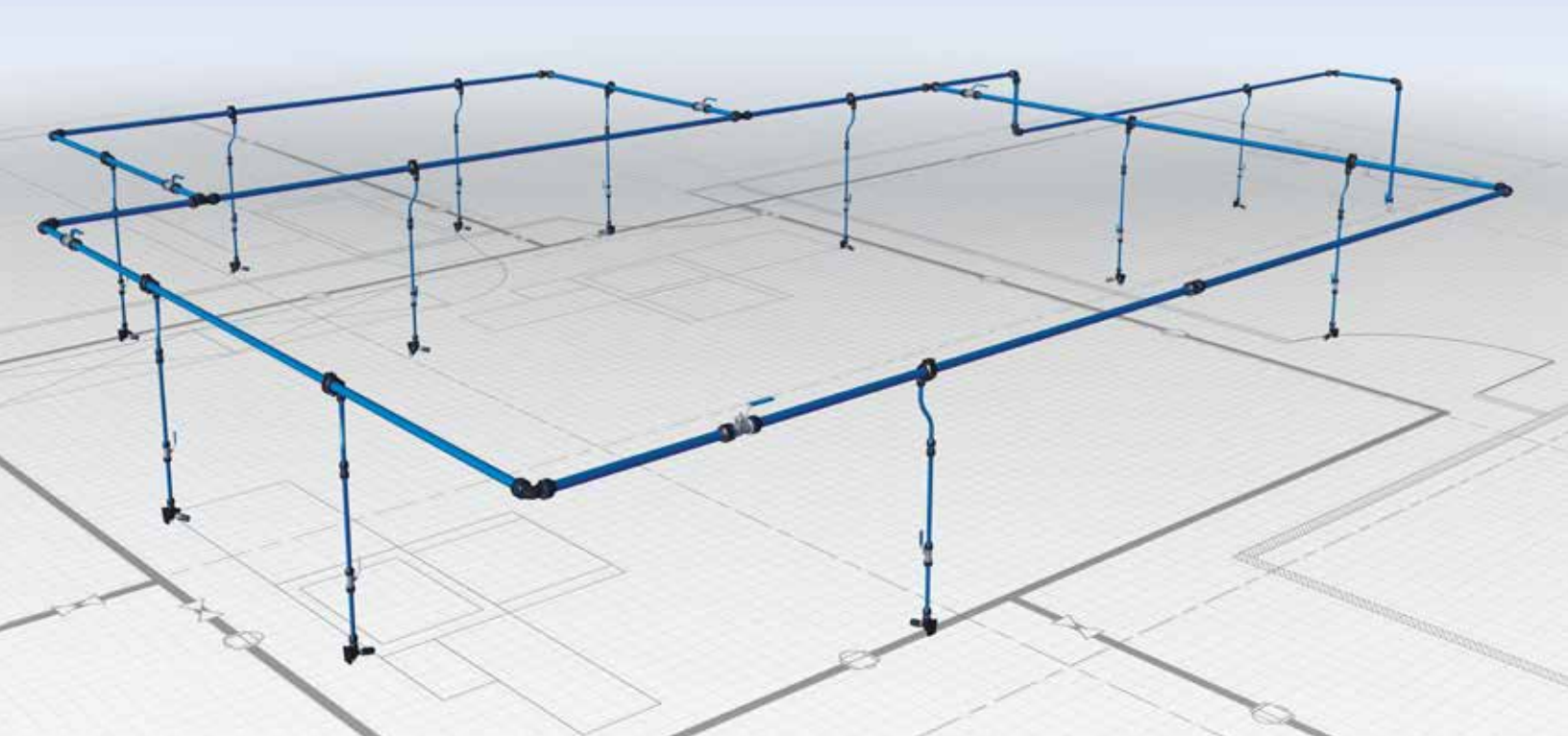




CONNECTED TO INNOVATION

The full aluminum 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 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 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

American Society of Mechanical Engineers: standard for pressure equipments (ASME B31)

Standard for fire rating of construction products and components (UL 94)



→ 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 aluminum, is designed and produced in Europe.

→ 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



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

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 aluminum fittings and pipes.

From this loop, pipes with a smaller diameter, known as “**drops**” feed off. Their ends are around **4 ft 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 116 psi (8 bar) with 5% pressure loss.

| COMPRESSOR* | | | | | MAIN RING LENGTH | | | | | | | | | |
|-------------|-------|--------------------|--------|------|------------------|--------|--------|---------|---------|---------|---------|---------|---------|--|
| POWER | | FLOW | | | 30 m | 76 m | 152 m | 305 m | 610 m | 914 m | 1219 m | 1524 m | 1981 m | |
| kW | HP | Nm ³ /h | NI/min | Scfm | 100 ft | 250 ft | 500 ft | 1000 ft | 2000 ft | 3000 ft | 4000 ft | 5000 ft | 6500 ft | |
| 2,2 | 3,00 | 22 | 367 | 13 | 1/2" | 1/2" | 3/4" | 3/4" | 1" | 1" | 1 1/4" | 1 1/4" | 1 1/4" | |
| 3 | 4,00 | 30 | 500 | 18 | 1/2" | 1/2" | 3/4" | 1" | 1" | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/4" | |
| 4 | 5,00 | 40 | 668 | 24 | 1/2" | 3/4" | 3/4" | 1" | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/2" | |
| 5,5 | 7,50 | 50 | 833 | 29 | 1/2" | 3/4" | 1" | 1" | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/2" | 1 1/2" | |
| 7,5 | 10,00 | 70 | 1167 | 41 | 3/4" | 1" | 1" | 1 1/4" | 1 1/4" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | |
| 11 | 15,00 | 100 | 1667 | 59 | 1" | 1" | 1 1/4" | 1 1/4" | 1 1/2" | 1 1/2" | 2" | 2" | 2" | |
| 15 | 20,00 | 150 | 2500 | 88 | 1" | 1 1/4" | 1 1/4" | 1 1/2" | 2" | 2" | 2" | 2" | 2 1/2" | |
| 18 | 25,00 | 180 | 3000 | 106 | 1 1/4" | 1 1/4" | 1 1/2" | 1 1/2" | 2" | 2" | 2 1/2" | 2 1/2" | 2 1/2" | |
| 22 | 30,00 | 220 | 3674 | 130 | 1 1/4" | 1 1/4" | 1 1/2" | 2" | 2" | 2 1/2" | 2 1/2" | 2 1/2" | 2 1/2" | |
| 26 | 35,00 | 260 | 4167 | 147 | 1 1/2" | 1 1/2" | 1 1/2" | 2" | 2" | 2 1/2" | 2 1/2" | 2 1/2" | 2 1/2" | |
| 30 | 40,00 | 350 | 5833 | 206 | 1 1/2" | 1 1/2" | 2" | 2" | 2 1/2" | 2 1/2" | 2 1/2" | 3" | 3" | |
| 37 | 50,00 | 370 | 6179 | 218 | 1 1/2" | 1 1/2" | 2" | 2" | 2 1/2" | 2 1/2" | 3" | 3" | 3" | |
| 45 | 60,00 | 500 | 8350 | 294 | 2" | 2" | 2" | 2 1/2" | 2 1/2" | 3" | 3" | 3" | 3" | |
| 55 | 75,00 | 550 | 9185 | 324 | 2" | 2" | 2" | 2 1/2" | 2 1/2" | 3" | 3" | 3" | | |
| 75 | 100 | 750 | 12500 | 441 | 2 1/2" | 2 1/2" | 2 1/2" | 2 1/2" | 3" | 3" | | | | |
| 90 | 125 | 1000 | 16667 | 589 | 2 1/2" | 2 1/2" | 2 1/2" | 3" | 3" | | | | | |
| 110 | 150 | 1100 | 18370 | 649 | 2 1/2" | 2 1/2" | 2 1/2" | 3" | | | | | | |
| 132 | 175 | 1500 | 25000 | 883 | 3" | 3" | 3" | 3" | | | | | | |
| 160 | 215 | 1750 | 29167 | 1030 | 3" | 3" | 3" | | | | | | | |
| 200 | 270 | 2000 | 33333 | 1177 | 3" | 3" | 3" | | | | | | | |

* These values may vary slightly from compressor data

➔ EXPANSION OF MATERIALS

Aluminum 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: 13.7×10^{-6} inch per inch per degree Fahrenheit

Expansion is calculated as follows :

C = Expansion coefficient

L = Length of the straight stretch (between two fixed points)

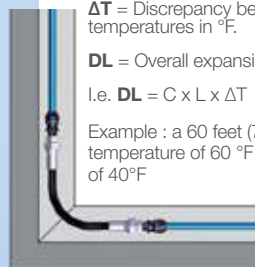
ΔT = Discrepancy between the maximum and minimum ambient temperatures in °F.

DL = Overall expansion

i.e. **DL** = C x L x ΔT

Example : a 60 feet (720 inches) line using 1 1/2" piping, at an ambient temperature of 60 °F with a maximum temperature 100°F, i.e. a difference of 40°F

DL: $13.7 \times 10^{-6} \times 720 \text{ (in)} \times 40 \text{ (°F)} = 0.39 \text{ inch}$



PREVOST PIPING SYSTEM

The 100% aluminum concept

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

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 232 psi.

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

➔ IMPACT STRENGTH

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

➔ COMPATIBILITY WITH COMPRESSOR OILS

Aluminum is compatible with compressor lubricants.

➔ COMPACT AND LIGHTWEIGHT

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

➔ QUICK AND EASY TO ASSEMBLE

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

➔ 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.

➔ TECHNICAL AND MODERN MATERIAL

The aluminum 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.**

➔ FULLY ADAPTABLE

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

PREVOST PIPING SYSTEM

100% aluminum pipes



PIPE PROPERTIES

- **Material:** extruded aluminum alloy: EN AW 6060 T6 UNI-EN 573-3
- **Coating:** electrostatic and epoxy paint, RAL 5012 (compliant with RoHS standard)
- **Extrusion quality:** calibrated, seamless
- **Compatible fluids:** compressed air, vacuum, neutral gases
- **Pipe lengths:** 6 meters (19.70 ft) (except diameter 1/2" in 4 meters (13.12 ft) length)
- **Density:** 170 lb/ft³
- **Pipe external diameter:** 1/2" (16 mm), 3/4" (20 mm), 1" (25 mm), 1 1/4" (32 mm), 1 1/2" (40 mm), 2" (50 mm), 2 1/2" (63 mm), 3" (80 mm)

Prevost offers a wide range of 100% aluminum 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 | |
|-------------------------------------|-------------|--|-------------|--------------------------------|-------------|
| 1/2" | PPS TUB16L4 | 1/2" | PPS TUG16L4 | 3/4" | PPS TUV20L6 |
| 3/4" | PPS TUB20L6 | 3/4" | PPS TUG20L6 | 1" | PPS TUV25L6 |
| 1" | PPS TUB25L6 | 1" | PPS TUG25L6 | | |
| 1 1/4" | PPS TUB32L6 | 1 1/2" | PPS TUG32L6 | | |
| 1 1/2" | PPS TUB40L6 | 1 1/2" | PPS TUG40L6 | | |
| 2" | PPS TUB50L6 | 2" | PPS TUG50L6 | | |
| 2 1/2" | PPS TUB63L6 | 2 1/2" | PPS TUG63L6 | | |
| 3" | PPS TUB80L6 | 3" | PPS TUG80L6 | | |

PREVOST PIPING SYSTEM

The 100% aluminum fittings

PREVOST designs and manufactures its new **PPS1** 100% aluminum 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 aluminum. Leak tight 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

Date of fabrication

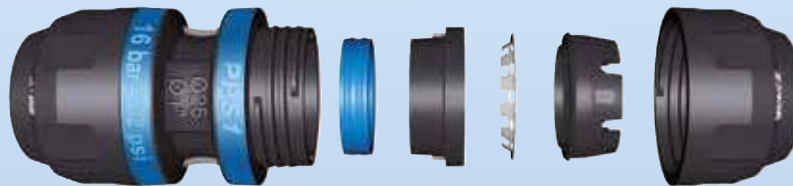


➔ LEAKTIGHT

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

➔ INTERNAL PARTS

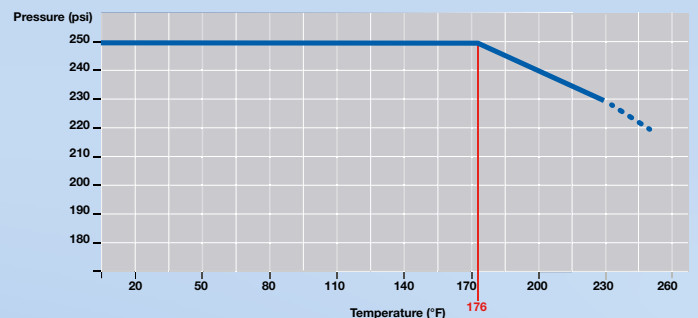
Internal parts cannot be detached from the body after assembly



➔ TECHNICAL SPECIFICATIONS

- **Maximum Working Pressure:** 232 psi
- **Vacuum level:** 0.59 inHg
- **Temperature range:** -4°F to 176°F
- **Body and nut:** 100% aluminum, EN AB 46100
- **PPS Grip Concept:** fastening system using teeth

Operating pressure graph as a function of temperature



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

➔ **Diameters from 1/2" to 3"**



➔ **Available configurations**

Straight fittings



Elbows



T-fittings



PREVOST PIPING SYSTEM

100% aluminum fittings

➔ Tapping flange

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

The tapping flange forms a «gooseneck» and enables 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

Available configurations :



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 **8.2 ft** 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 C1).

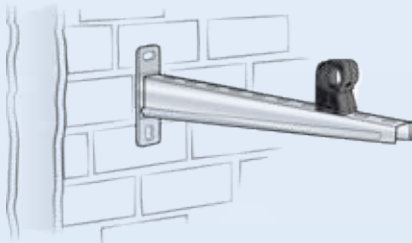
The **residual condensates** will be **drained** from the main line via direct **downpipes installed lower** than the bottom generating line of the pipe and **fitted** with an automatic drain trap system.

➔ Network fastenings

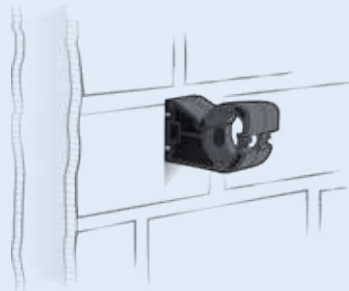
The methods used to fasten the network (to the wall or ceiling) must be selected according to the configuration of the workshop.

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 **10 ft** should be left between two clamps.

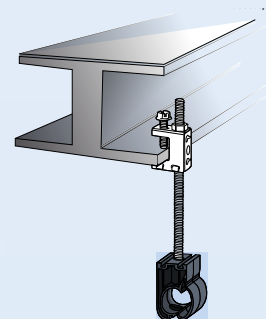
Pipe at a distance from the wall



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 Part Number 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: 1/2" NPT or 3/4" NPT
- Multiple connection profiles
- Material: aluminum 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**).

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 offset link pipe connection serves to compensate for different centre-to-centre spacings.

Between the filtration assembly and the network.

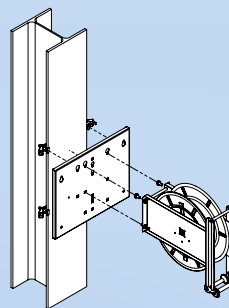


Between the tapping and the wall.

➔ 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 ALUMINUM RINGMAINS



PPS - Aluminum pipe for compressed air

| |  |  | A | B | C | D | Pipe OD (in) (mm) | Length (ft) (m) | Part Number |
|-------|---|---|---|----------------|----------------|--------------------|----------------------|--------------------|--------------------|
| | | | | - | - | - | 1/2" / 16 mm | 13.12 ft / 4 m | PPS TUB16L4 |
| 0.051 | - | - | - | 3/4" / 20 mm | 19.70 ft / 6 m | PPS TUB20L6 | | | |
| 0.055 | - | - | - | 1" / 25 mm | 19.70 ft / 6 m | PPS TUB25L6 | | | |
| 0.059 | - | - | - | 1 1/4" / 32 mm | 19.70 ft / 6 m | PPS TUB32L6 | | | |
| 0.071 | - | - | - | 1 1/2" / 40 mm | 19.70 ft / 6 m | PPS TUB40L6 | | | |
| 0.079 | - | - | - | 2" / 50 mm | 19.70 ft / 6 m | PPS TUB50L6 | | | |
| 0.079 | - | - | - | 2 1/2" / 63 mm | 19.70 ft / 6 m | PPS TUB63L6 | | | |
| 0.094 | - | - | - | 3" / 80 mm | 19.70 ft / 6 m | PPS TUB80L6 | | | |


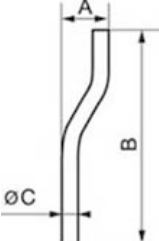
PPS - Aluminum pipe for compressed air and vacuum

| |  |  | A | B | C | D | Pipe OD (in) (mm) | Length (ft) | Part Number |
|-------|--|--|---|----------------|----------------|--------------------|----------------------|----------------|--------------------|
| | | | | - | - | - | 1/2" / 16 mm | 13.12 ft / 4 m | PPS TUG16L4 |
| 0.051 | - | - | - | 3/4" / 20 mm | 19.70 ft / 6 m | PPS TUG20L6 | | | |
| 0.055 | - | - | - | 1" / 25 mm | 19.70 ft / 6 m | PPS TUG25L6 | | | |
| 0.059 | - | - | - | 1 1/4" / 32 mm | 19.70 ft / 6 m | PPS TUG32L6 | | | |
| 0.071 | - | - | - | 1 1/2" / 40 mm | 19.70 ft / 6 m | PPS TUG40L6 | | | |
| 0.079 | - | - | - | 2" / 50 mm | 19.70 ft / 6 m | PPS TUG50L6 | | | |
| 0.079 | - | - | - | 2 1/2" / 63 mm | 19.70 ft / 6 m | PPS TUG63L6 | | | |
| 0.094 | - | - | - | 3" / 80 mm | 19.70 ft / 6 m | PPS TUG80L6 | | | |

PPS - Aluminum pipe for compressed air and nitrogen


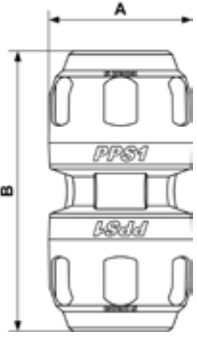
| |  |  | A | B | C | D | Pipe OD (in) (mm) | Length (ft) | Part Number |
|-------|---|---|-------|------------|----------------|--------------------|----------------------|----------------|--------------------|
| | | | 0.051 | - | - | - | 3/4" / 20 mm | 19.70 ft / 6 m | PPS TUV20L6 |
| 0.055 | - | - | - | 1" / 25 mm | 19.70 ft / 6 m | PPS TUV25L6 | | | |

PPS - Aluminum offset link pipe



| |  |  | A | B | C | D | Pipe OD (in) (mm) | Part Number |
|-------|---|---|------|--------------|-------------------|---|----------------------|-------------------|
| | | | 3.15 | 18.701 | 0.63 | - | 1/2" / 16 mm | PPS LMCB16 |
| 3.543 | 18.898 | 0.787 | - | 3/4" / 20 mm | PPS LMCB20 | | | |
| 2.953 | 19.094 | 0.984 | - | 1" / 25 mm | PPS LMCB25 | | | |

PPS SYSTEM ALL ALUMINUM RINGMAINS


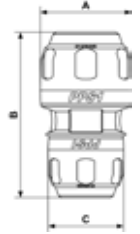
PPS1 UN - Aluminum union for pipe

| | | | | | | | |
|---|---|----------|----------|----------|----------|------------------------------|--------------------|
|  |  | A | B | C | D | For pipe OD (in) (mm) | Part Number |
| | | 1.26 | 2.52 | - | - | 1/2" / 16 mm | PPS1 UN16 |
| | | 1.496 | 3.071 | - | - | 3/4" / 20 mm | PPS1 UN20 |
| | | 1.811 | 3.543 | - | - | 1" / 25 mm | PPS1 UN25 |
| | | 2.244 | 4.173 | - | - | 1 1/4" / 32 mm | PPS1 UN32 |
| | | 2.677 | 4.921 | - | - | 1 1/2" / 40 mm | PPS1 UN40 |
| | | 3.307 | 5.984 | - | - | 2" / 50 mm | PPS1 UN50 |
| | | 3.937 | 6.811 | - | - | 2 1/2" / 63 mm | PPS1 UN63 |
| | | 4.764 | 8.071 | - | - | 3" / 80 mm | PPS1 UN80 |


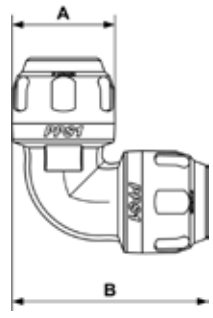
PPS1 UNS - Aluminum female slide union for pipe

| | | | | | | | |
|---|--|----------|----------|----------|----------|------------------------------|--------------------|
|  |  | A | B | C | D | For pipe OD (in) (mm) | Part Number |
| | | 1.811 | 3.543 | - | - | 1" / 25 mm | PPS1 UNS25 |
| | | 2.244 | 4.173 | - | - | 1 1/4" / 32 mm | PPS1 UNS32 |
| | | 2.677 | 4.921 | - | - | 1 1/2" / 40 mm | PPS1 UNS40 |
| | | 3.307 | 5.984 | - | - | 2" / 50 mm | PPS1 UNS50 |
| | | 3.937 | 6.811 | - | - | 2 1/2" / 63 mm | PPS1 UNS63 |
| | | 4.764 | 8.071 | - | - | 3" / 80 mm | PPS1 UNS80 |

PPS1 MR - Aluminum pipe reducing fitting


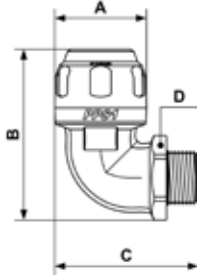
| | | | | | | | | |
|---|---|----------|----------|----------|----------|------------------------------|-------------------------|--------------------|
|  |  | A | B | C | D | For pipe OD (in) (mm) | For pipe OD (in) | Part Number |
| | | 1.811 | 3.346 | 1.496 | - | 1" / 25 mm | 3/4" / 20 mm | PPS1 MR2520 |
| | | 2.244 | 4.016 | 1.811 | - | 1 1/4" / 32 mm | 1" / 25 mm | PPS1 MR3225 |
| | | 2.677 | 4.803 | 2.244 | - | 1 1/2" / 40 mm | 1 1/4" / 32 mm | PPS1 MR4032 |
| | | 3.307 | 5.591 | 2.677 | - | 2" / 50 mm | 1 1/2" / 40 mm | PPS1 MR5040 |
| | | 3.937 | 6.693 | 3.307 | - | 2 1/2" / 63 mm | 2" / 50 mm | PPS1 MR6350 |
| | | 4.764 | 7.638 | 3.937 | - | 3" / 80 mm | 2 1/2" / 63 mm | PPS1 MR8063 |

PPS1 9C - 90° Aluminum union elbow for pipe


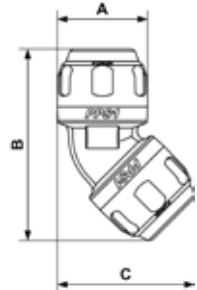
| | | | | | | | |
|---|---|----------|----------|----------|----------|------------------------------|--------------------|
|  |  | A | B | C | D | For pipe OD (in) (mm) | Part Number |
| | | 1.26 | 2.441 | - | - | 1/2" / 16 mm | PPS1 9C16 |
| | | 1.496 | 2.874 | - | - | 3/4" / 20 mm | PPS1 9C20 |
| | | 1.811 | 3.504 | - | - | 1" / 25 mm | PPS1 9C25 |
| | | 2.244 | 4.173 | - | - | 1 1/4" / 32 mm | PPS1 9C32 |
| | | 2.677 | 5.315 | - | - | 1 1/2" / 40 mm | PPS1 9C40 |
| | | 3.307 | 5.945 | - | - | 2" / 50 mm | PPS1 9C50 |
| | | 3.937 | 7.087 | - | - | 2 1/2" / 63 mm | PPS1 9C63 |
| | | 4.764 | 8.583 | - | - | 3" / 80 mm | PPS1 9C80 |

PPS SYSTEM ALL ALUMINUM RINGMAINS


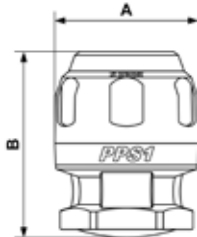
PPS1 9CM - 90° Aluminum tapered male threaded elbow for pipe

| |  |  | A | B | C | D | For pipe OD (in) (mm) | NPT male thread | Part Number |
|-------|---|---|-------|----------------|-------------|----------------------|-----------------------|-----------------|----------------------|
| | | | 1.26 | 2.362 | 1.969 | 1.024 | 1/2" / 16 mm | 3/8" MNPT | PPS1 9CM16252 |
| 1.26 | 2.362 | 2.165 | 1.024 | 1/2" / 16 mm | 1/2" MNPT | PPS1 9CM16253 | | | |
| 1.496 | 2.835 | 2.402 | 1.26 | 3/4" / 20 mm | 1/2" MNPT | PPS1 9CM20253 | | | |
| 1.811 | 3.425 | 2.795 | 1.496 | 1" / 25 mm | 1/2" MNPT | PPS1 9CM25253 | | | |
| 1.811 | 3.425 | 2.835 | 1.496 | 1" / 25 mm | 3/4" MNPT | PPS1 9CM25254 | | | |
| 2.244 | 4.055 | 3.465 | 1.811 | 1 1/4" / 32 mm | 1" MNPT | PPS1 9CM32255 | | | |
| 2.677 | 4.843 | 4.173 | 2.244 | 1 1/2" / 40 mm | 1 1/4" MNPT | PPS1 9CM40256 | | | |
| 2.677 | 4.843 | 4.173 | 2.244 | 1 1/2" / 40 mm | 1 1/2" MNPT | PPS1 9CM40257 | | | |

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


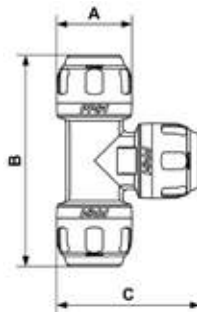
| |  |  | A | B | C | D | For pipe OD (in) (mm) | Part Number |
|-------|---|---|------|----------------|------------------|---|-----------------------|------------------|
| | | | 1.26 | 2.756 | 1.969 | - | 1/2" / 16 mm | PPS1 4C16 |
| 1.496 | 3.268 | 2.323 | - | 3/4" / 20 mm | PPS1 4C20 | | | |
| 1.811 | 3.858 | 2.756 | - | 1" / 25 mm | PPS1 4C25 | | | |
| 2.244 | 4.606 | 3.346 | - | 1 1/4" / 32 mm | PPS1 4C32 | | | |
| 2.677 | 5.512 | 4.016 | - | 1 1/2" / 40 mm | PPS1 4C40 | | | |

PPS1 B0 - Aluminum Pipe Cap


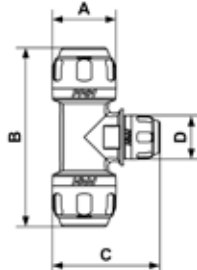
| |  |  | A | B | C | D | For pipe OD (in) (mm) | Part Number |
|-------|---|---|------|----------------|------------------|---|-----------------------|------------------|
| | | | 1.26 | 1.772 | - | - | 1/2" / 16 mm | PPS1 B016 |
| 1.496 | 2.087 | - | - | 3/4" / 20 mm | PPS1 B020 | | | |
| 1.811 | 2.402 | - | - | 1" / 25 mm | PPS1 B025 | | | |
| 2.244 | 2.756 | - | - | 1 1/4" / 32 mm | PPS1 B032 | | | |
| 2.677 | 3.346 | - | - | 1 1/2" / 40 mm | PPS1 B040 | | | |
| 3.307 | 3.976 | - | - | 2" / 50 mm | PPS1 B050 | | | |
| 3.937 | 4.882 | - | - | 2 1/2" / 63 mm | PPS1 B063 | | | |
| 4.764 | 5.748 | - | - | 3" / 80 mm | PPS1 B080 | | | |

PPS SYSTEM ALL ALUMINUM RINGMAINS


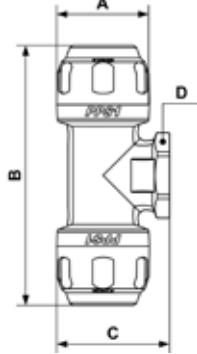
PPS1 TE - Aluminum equal female tee fitting for pipe

|  |  | A | B | C | D | For pipe OD (in) (mm) | Part Number |
|---|---|-------|-------|----------------|------------------|--------------------------|------------------|
| | | 1.26 | 3.543 | 2.441 | - | 1/2" / 16 mm | PPS1 TE16 |
| 1.49 | 4.251 | 2.874 | - | 3/4" / 20 mm | PPS1 TE20 | | |
| 1.811 | 5.157 | 3.504 | - | 1" / 25 mm | PPS1 TE25 | | |
| 2.244 | 6.102 | 4.173 | - | 1 1/4" / 32 mm | PPS1 TE32 | | |
| 2.677 | 7.205 | 5.315 | - | 1 1/2" / 40 mm | PPS1 TE40 | | |
| 3.307 | 8.622 | 5.945 | - | 2" / 50 mm | PPS1 TE50 | | |
| 3.937 | 10.276 | 7.087 | - | 2 1/2" / 63 mm | PPS1 TE63 | | |
| 4.764 | 12.402 | 8.583 | - | 3" / 80 mm | PPS1 TE80 | | |

PPS1 TR - Aluminum reducing branch tee for pipe


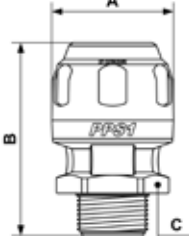
|  |  | A | B | C | D | For pipe OD (in) (mm) | For pipe OD (in) | Part Number |
|--|--|-------|-------|----------------|--------------|--------------------------|---------------------|--------------------|
| | | 1.496 | 4.252 | 2.598 | 1.26 | 3/4" / 20 mm | 1/2" / 16 mm | PPS1 TR2016 |
| 1.811 | 5.157 | 3.071 | 1.26 | 1" / 25 mm | 1/2" / 16 mm | PPS1 TR2516 | | |
| 1.811 | 5.157 | 3.268 | 1.496 | 1" / 25 mm | 3/4" / 20 mm | PPS1 TR2520 | | |
| 2.244 | 6.102 | 3.583 | 1.26 | 1 1/4" / 32 mm | 1/2" / 16 mm | PPS1 TR3216 | | |
| 2.244 | 6.102 | 3.78 | 1.496 | 1 1/4" / 32 mm | 3/4" / 20 mm | PPS1 TR3220 | | |
| 2.244 | 6.102 | 4.016 | 1.811 | 1 1/4" / 32 mm | 1" / 25 mm | PPS1 TR3225 | | |

PPS1 TT - Aluminum parallel female threaded tee fitting for pipe


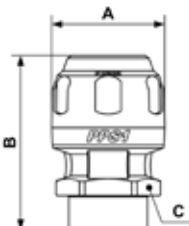
|  |  | A | B | C | D | For pipe OD (in) (mm) | NPT female thread | Part Number |
|---|---|-------|-------|----------------|-------------|--------------------------|-------------------|---------------------|
| | | 1.26 | 3.543 | 1.575 | 1.024 | 1/2" / 16 mm | 3/8" FNTP | PPS1 TT16202 |
| 1.496 | 4.252 | 1.85 | 1.26 | 3/4" / 20 mm | 1/2" FNTP | PPS1 TT20203 | | |
| 1.811 | 5.157 | 2.205 | 1.496 | 1" / 25 mm | 1/2" FNTP | PPS1 TT25203 | | |
| 1.811 | 5.157 | 2.205 | 1.496 | 1" / 25 mm | 3/4" FNPT | PPS1 TT25204 | | |
| 2.244 | 6.102 | 2.677 | 1.811 | 1 1/4" / 32 mm | 3/4" FNTP | PPS1 TT32204 | | |
| 2.244 | 6.102 | 2.677 | 1.811 | 1 1/4" / 32 mm | 1" FNTP | PPS1 TT32205 | | |
| 2.677 | 7.205 | 3.346 | 2.244 | 1 1/2" / 40 mm | 3/4" FNPT | PPS1 TT40204 | | |
| 2.677 | 7.205 | 3.346 | 2.244 | 1 1/2" / 40 mm | 1" FNPT | PPS1 TT40205 | | |
| 2.677 | 7.205 | 3.346 | 2.244 | 1 1/2" / 40 mm | 1 1/4" FNPT | PPS1 TT40206 | | |
| 3.307 | 8.622 | 3.976 | 2.835 | 2" / 50 mm | 1" FNPT | PPS1 TT50205 | | |
| 3.307 | 8.622 | 3.976 | 2.835 | 2" / 50 mm | 1 1/4" FNPT | PPS1 TT50206 | | |
| 3.307 | 8.622 | 3.976 | 2.835 | 2" / 50 mm | 1 1/2" FNPT | PPS1 TT50207 | | |
| 3.937 | 10.276 | 5.079 | 3.543 | 2 1/2" / 63 mm | 1" FNPT | PPS1 TT63205 | | |
| 3.937 | 10.276 | 5.079 | 3.543 | 2 1/2" / 63 mm | 1 1/4" FNPT | PPS1 TT63206 | | |
| 3.937 | 10.276 | 5.079 | 3.543 | 2 1/2" / 63 mm | 1 1/2" FNPT | PPS1 TT63207 | | |
| 3.937 | 10.276 | 5.079 | 3.543 | 2 1/2" / 63 mm | 2" FNPT | PPS1 TT63208 | | |
| 4.764 | 12.402 | 6.102 | 4.331 | 3" / 80 mm | 1" FNPT | PPS1 TT80205 | | |
| 4.764 | 12.402 | 6.102 | 4.331 | 3" / 80 mm | 1 1/2" FNPT | PPS1 TT80207 | | |
| 4.764 | 12.402 | 6.102 | 4.331 | 3" / 80 mm | 2" FNPT | PPS1 TT80208 | | |
| 4.764 | 12.402 | 6.102 | 4.331 | 3" / 80 mm | 2 1/2" FNPT | PPS1 TT80209 | | |

PPS SYSTEM ALL ALUMINUM RINGMAINS

PPS1 MM - Aluminum tapered male threaded straight fitting for pipe


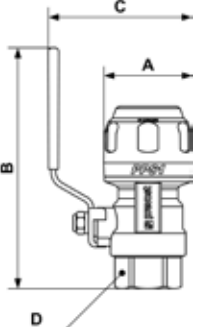
| |  |  | A | B | C | D | For pipe OD (in) (mm) | NPT male thread | Part Number |
|-------|---|---|------|----------------|-------------|----------------------|--------------------------|-----------------|---------------------|
| | | | 1.26 | 2.047 | 1.024 | - | 1/2" / 16 mm | 3/8" MNPT | PPS1 MM16252 |
| 1.26 | 2.283 | 1.024 | - | 1/2" / 16 mm | 1/2" MNPT | PPS1 MM16253 | | | |
| 1.496 | 2.559 | 1.26 | - | 3/4" / 20 mm | 1/2" MNPT | PPS1 MM20253 | | | |
| 1.496 | 2.638 | 1.26 | - | 3/4" / 20 mm | 3/4" MNPT | PPS1 MM20254 | | | |
| 1.811 | 2.874 | 1.496 | - | 1" / 25 mm | 1/2" MNPT | PPS1 MM25253 | | | |
| 1.811 | 2.913 | 1.496 | - | 1" / 25 mm | 3/4" MNPT | PPS1 MM25254 | | | |
| 1.811 | 3.071 | 1.496 | - | 1" / 25 mm | 1" MNPT | PPS1 MM25255 | | | |
| 2.244 | 3.465 | 1.811 | - | 1 1/4" / 32 mm | 1" MNPT | PPS1 MM32255 | | | |
| 2.244 | 3.504 | 1.811 | - | 1 1/4" / 32 mm | 1 1/4" MNPT | PPS1 MM32256 | | | |
| 2.677 | 4.173 | 2.244 | - | 1 1/2" / 40 mm | 1 1/4" MNPT | PPS1 MM40256 | | | |
| 2.677 | 4.173 | 2.244 | - | 1 1/2" / 40 mm | 1 1/2" MNPT | PPS1 MM40257 | | | |
| 3.307 | 4.724 | 2.835 | - | 2" / 50 mm | 1 1/2" MNPT | PPS1 MM50257 | | | |
| 3.307 | 4.882 | 2.835 | - | 2" / 50 mm | 2" MNPT | PPS1 MM50258 | | | |
| 3.937 | 5.748 | 3.543 | - | 2 1/2" / 63 mm | 2" MNPT | PPS1 MM63258 | | | |
| 3.937 | 5.984 | 3.543 | - | 2 1/2" / 63 mm | 2 1/2" MNPT | PPS1 MM63259 | | | |
| 4.764 | 6.811 | 4.331 | - | 3" / 80 mm | 2 1/2" MNPT | PPS1 MM80259 | | | |
| 4.764 | 6.89 | 4.331 | - | 3" / 80 mm | 3" MNPT | PPS1 MM802510 | | | |

PPS1 MF - Aluminum female threaded straight fitting for pipe


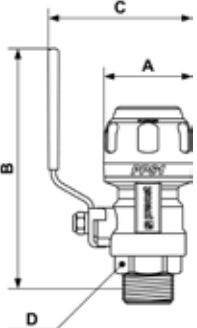
| |  |  | A | B | C | D | For pipe OD (in) | NPT female thread | Part Number |
|-------|---|---|------|----------------|-------------|----------------------|---------------------|-------------------|---------------------|
| | | | 1.26 | 2.087 | 1.024 | - | 1/2" / 16 mm | 3/8" FNPT | PPS1 MF16202 |
| 1.496 | 2.48 | 1.26 | - | 3/4" / 20 mm | 1/2" FNPT | PPS1 MF20203 | | | |
| 1.496 | 2.48 | 1.26 | - | 3/4" / 20 mm | 3/4" FNPT | PPS1 MF20204 | | | |
| 1.811 | 2.835 | 1.496 | - | 1" / 25 mm | 1/2" FNPT | PPS1 MF25203 | | | |
| 1.811 | 2.835 | 1.496 | - | 1" / 25 mm | 3/4" FNPT | PPS1 MF25204 | | | |
| 1.811 | 2.835 | 1.496 | - | 1" / 25 mm | 1" FNPT | PPS1 MF25205 | | | |
| 2.244 | 3.268 | 1.811 | - | 1 1/4" / 32 mm | 1" FNPT | PPS1 MF32205 | | | |
| 2.677 | 3.858 | 2.244 | - | 1 1/2" / 32 mm | 1 1/4" FNPT | PPS1 MF40206 | | | |
| 2.677 | 4.055 | 2.244 | - | 1 1/2" / 40 mm | 1 1/2" FNPT | PPS1 MF40207 | | | |
| 3.307 | 4.331 | 2.835 | - | 2" / 50 mm | 1 1/2" FNPT | PPS1 MF50207 | | | |
| 3.307 | 4.528 | 2.835 | - | 2" / 50 mm | 2" FNPT | PPS1 MF50208 | | | |
| 3.937 | 5.394 | 3.543 | - | 2 1/2" / 63 mm | 2" FNPT | PPS1 MF63208 | | | |
| 3.937 | 5.591 | 3.543 | - | 2 1/2" / 63 mm | 2 1/2" FNPT | PPS1 MF63209 | | | |
| 4.764 | 6.457 | 4.331 | - | 3" / 80 mm | 2 1/2" FNPT | PPS1 MF80209 | | | |
| 4.764 | 6.457 | 4.331 | - | 3" / 80 mm | 3" FNPT | PPS1 MF802010 | | | |

PPS SYSTEM ALL ALUMINUM RINGMAINS


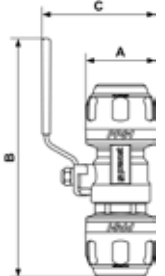
PPS1 RSIF - Aluminum parallel female threaded valves with fittings for pipe

|  |  | A | B | C | D | For pipe OD (in) | NPT female thread | Part Number |
|---|---|--------|-------|----------------|-------------|--------------------------------|-------------------|--------------------------------|
| | | 2.677 | 6.181 | 3.902 | - | 1 1/2" / 40 mm | 1 1/4" FNPT | PPS1 RSIF40206 |
| 3.307 | 8.051 | 4.823 | - | 2" / 50 mm | 1 1/2" FNPT | PPS1 RSIF50207 | | |
| 3.937 | 10.63 | 12.362 | - | 2 1/2" / 63 mm | 2" FNPT | PPS1 RSIF63208 | | |
| 4.764 | 11.811 | 9.843 | - | 3" / 80 mm | 2 1/2" FNPT | PPS1 RSIF80209 | | |
| 1.26 | 4.764 | 2.52 | - | 1/2" / 16 mm | 1/2" FNPT | PPS1 RSIF16203 | | |
| 1.496 | 4.764 | 2.598 | - | 3/4" / 20 mm | 1/2" FNPT | PPS1 RSIF20203 | | |
| 1.811 | 4.921 | 2.953 | - | 1" / 25 mm | 3/4" FNPT | PPS1 RSIF25204 | | |
| 2.244 | 5.945 | 3.346 | - | 1 1/4" / 32 mm | 1" FNPT | PPS1 RSIF32205 | | |

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


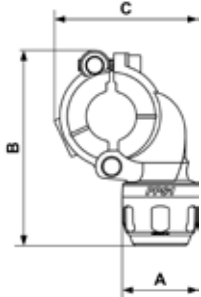
|  |  | A | B | C | D | For pipe OD (in) | NPT male thread | Part Number |
|---|---|-------|-------|----------------|-------------|--------------------------------|-----------------|--------------------------------|
| | | 1.26 | 5.118 | 2.52 | - | 1/2" / 16 mm | 1/2" MNPT | PPS1 RSIM16253 |
| 1.496 | 5.118 | 2.598 | - | 3/4" / 20 mm | 1/2" MNPT | PPS1 RSIM20253 | | |
| 1.811 | 5.236 | 2.953 | - | 1" / 25 mm | 3/4" MNPT | PPS1 RSIM25254 | | |
| 2.244 | 6.299 | 3.346 | - | 1 1/4" / 32 mm | 1" MNPT | PPS1 RSIM32255 | | |
| 2.677 | 6.634 | 3.902 | - | 1 1/2" / 40 mm | 1 1/4" MNPT | PPS1 RSIM40256 | | |
| 3.307 | 8.465 | 4.823 | - | 2" / 50 mm | 1 1/2" MNPT | PPS1 RSIM50257 | | |

PPS1 RSI - Aluminum piping ball valve


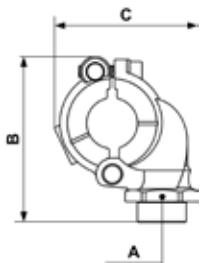
|  |  | A | B | C | D | For pipe OD (mm) | Part Number |
|---|---|-------|-------|----------------|----------------------------|------------------|----------------------------|
| | | 1.259 | 5.511 | 2.519 | - | 1/2" / 16 mm | PPS1 RSI16 |
| 1.496 | 5.787 | 2.598 | - | 3/4" / 20 mm | PPS1 RSI20 | | |
| 1.181 | 6.181 | 2.952 | - | 1" / 25 mm | PPS1 RSI25 | | |
| 2.244 | 7.440 | 3.346 | - | 1 1/4" / 32 mm | PPS1 RSI32 | | |
| 2.677 | 7.953 | 3.902 | - | 1 1/2" / 40 mm | PPS1 RSI40 | | |
| 3.307 | 9.213 | 4.823 | - | 2" / 50 mm | PPS1 RSI50 | | |
| 3.937 | 13.976 | 8.425 | - | 2 1/2" / 63 mm | PPS1 RSI63 | | |
| 4.764 | 15.512 | 9.843 | - | 3" / 80 mm | PPS1 RSI80 | | |

PPS SYSTEM ALL ALUMINUM RINGMAINS

PPS1 BP - Aluminum tapping flange for pipe


| | | A | B | C | D | For pipe OD main line | For pipe OD drop | Part Number |
|---|---|-------|-------|-------|---|-----------------------|------------------|--------------------|
| | | | | | | (in) (mm) | (in) (mm) | |
|  |  | 1.26 | 3.701 | 2.756 | - | 1" / 25 mm | 1/2" / 16 mm | PPS1 BP2516 |
| | | 1.496 | 3.858 | 2.835 | - | 1" / 25 mm | 3/4" / 20 mm | PPS1 BP2520 |
| | | 1.26 | 3.701 | 2.756 | - | 1 1/4" / 32 mm | 1/2" / 16 mm | PPS1 BP3216 |
| | | 1.496 | 3.858 | 2.835 | - | 1 1/4" / 32 mm | 3/4" / 20 mm | PPS1 BP3220 |
| | | 1.26 | 4.803 | 4.016 | - | 1 1/2" / 40 mm | 1/2" / 16 mm | PPS1 BP4016 |
| | | 1.496 | 5 | 4.016 | - | 1 1/2" / 40 mm | 3/4" / 20 mm | PPS1 BP4020 |
| | | 1.811 | 5.118 | 4.055 | - | 1 1/2" / 40 mm | 1" / 25 mm | PPS1 BP4025 |
| | | 1.26 | 4.803 | 4.016 | - | 2" / 50 mm | 1/2" / 16 mm | PPS1 BP5016 |
| | | 1.496 | 5 | 4.016 | - | 2" / 50 mm | 3/4" / 20 mm | PPS1 BP5020 |
| | | 1.811 | 5.118 | 4.055 | - | 2" / 50 mm | 1" / 25 mm | PPS1 BP5025 |
| | | 1.496 | 6.417 | 5.787 | - | 2 1/2" / 63 mm | 3/4" / 20 mm | PPS1 BP6320 |
| | | 1.811 | 6.575 | 5.787 | - | 2 1/2" / 63 mm | 1" / 25 mm | PPS1 BP6325 |
| | | 2.244 | 6.496 | 5.787 | - | 2 1/2" / 63 mm | 1 1/4" / 32 mm | PPS1 BP6332 |
| | | 1.496 | 6.417 | 5.787 | - | 3" / 80 mm | 3/4" / 20 mm | PPS1 BP8020 |
| | | 1.811 | 6.575 | 5.787 | - | 3" / 80 mm | 1" / 25 mm | PPS1 BP8025 |
| | | 2.244 | 6.496 | 5.787 | - | 3" / 80 mm | 1 1/4" / 32 mm | PPS1 BP8032 |

PPS1 BT - Aluminum threaded tapping flange for pipe


| | | A | B | C | D | For pipe OD main line | NPT female thread | Part Number |
|---|---|-------|-------|-------|---|-----------------------|-------------------|---------------------|
| | | | | | | (in) (mm) | | |
|  |  | 1.26 | 3.228 | 2.756 | - | 1" / 25 mm | 3/8" FNPT | PPS1 BT25202 |
| | | 1.26 | 3.228 | 2.756 | - | 1" / 25 mm | 1/2" FNPT | PPS1 BT25203 |
| | | 1.26 | 3.228 | 2.756 | - | 1 1/4" / 32 mm | 1/2" FNPT | PPS1 BT32203 |
| | | 1.26 | 3.307 | 2.756 | - | 1 1/4" / 32 mm | 3/4" FNPT | PPS1 BT32204 |
| | | 1.732 | 4.331 | 4.016 | - | 1 1/2" / 40 mm | 1/2" FNPT | PPS1 BT40203 |
| | | 1.732 | 4.331 | 4.016 | - | 1 1/2" / 40 mm | 3/4" FNPT | PPS1 BT40204 |
| | | 1.732 | 4.331 | 4.016 | - | 1 1/2" / 40 mm | 1" FNPT | PPS1 BT40205 |
| | | 1.732 | 4.331 | 4.016 | - | 2" / 50 mm | 1/2" FNPT | PPS1 BT50203 |
| | | 1.732 | 4.331 | 4.016 | - | 2" / 50 mm | 3/4" FNPT | PPS1 BT50204 |
| | | 1.732 | 4.331 | 4.016 | - | 2" / 50 mm | 1" FNPT | PPS1 BT50205 |
| | | 2.244 | 6.339 | 5.787 | - | 2 1/2" / 63 mm | 1/2" FNPT | PPS1 BT63203 |
| | | 2.244 | 6.339 | 5.787 | - | 2 1/2" / 63 mm | 3/4" FNPT | PPS1 BT63204 |
| | | 2.244 | 6.378 | 5.787 | - | 2 1/2" / 63 mm | 1" FNPT | PPS1 BT63205 |
| | | 2.244 | 6.339 | 5.787 | - | 3" / 80 mm | 1/2" FNPT | PPS1 BT80203 |
| | | 2.244 | 6.339 | 5.787 | - | 3" / 80 mm | 3/4" FNPT | PPS1 BT80204 |
| | | 2.244 | 6.378 | 5.787 | - | 3" / 80 mm | 1" FNPT | PPS1 BT80205 |

PPS SYSTEM ALL ALUMINUM RINGMAINS


PPS1 NUT - Aluminum nut

|  | A | B | C | D | For fitting Ø (in) (mm) | Part Number |
|---|---|---|---|---|----------------------------|-------------|
| | - | - | - | - | 1/2" / 16 mm | PPS1 NUT16 |
| | - | - | - | - | 3/4" / 20 mm | PPS1 NUT20 |
| | - | - | - | - | 1" / 25 mm | PPS1 NUT25 |
| | - | - | - | - | 1 1/4" / 32 mm | PPS1 NUT32 |
| | - | - | - | - | 1 1/2" / 40 mm | PPS1 NUT40 |
| | - | - | - | - | 2" / 50 mm | PPS1 NUT50 |
| | - | - | - | - | 2 1/2" / 63 mm | PPS1 NUT63 |
| | - | - | - | - | 3" / 80 mm | PPS1 NUT80 |

PPS1 SEAL - Gasket kit


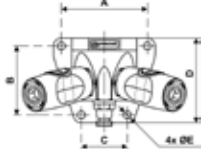
|  | A | B | C | D | For fitting Ø (in) (mm) | Part Number |
|---|---|---|---|---|----------------------------|-------------|
| | - | - | - | - | 1/2" / 16 mm | PPS1 SEAL16 |
| | - | - | - | - | 3/4" / 20 mm | PPS1 SEAL20 |
| | - | - | - | - | 1" / 25 mm | PPS1 SEAL25 |
| | - | - | - | - | 1 1/4" / 32 mm | PPS1 SEAL32 |
| | - | - | - | - | 1 1/2" / 40 mm | PPS1 SEAL40 |
| | - | - | - | - | 2" / 50 mm | PPS1 SEAL50 |
| | - | - | - | - | 2 1/2" / 63 mm | PPS1 SEAL63 |
| | - | - | - | - | 3" / 80 mm | PPS1 SEAL80 |

PPS1 IP - Internal parts kit


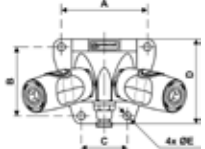
|  | A | B | C | D | For fitting Ø (in) (mm) | Part Number |
|---|---|---|---|---|----------------------------|-------------|
| | - | - | - | - | 1/2" / 16 mm | PPS1 IP16 |
| | - | - | - | - | 3/4" / 20 mm | PPS1 IP20 |
| | - | - | - | - | 1" / 25 mm | PPS1 IP25 |
| | - | - | - | - | 1 1/4" / 32 mm | PPS1 IP32 |
| | - | - | - | - | 1 1/2" / 40 mm | PPS1 IP40 |
| | - | - | - | - | 2" / 50 mm | PPS1 IP50 |
| | - | - | - | - | 2 1/2" / 63 mm | PPS1 IP63 |
| | - | - | - | - | 3" / 80 mm | PPS1 IP80 |

PREVO S1 DOUBLE WALL MANIFOLDS


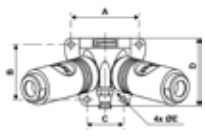
Female threaded double wall manifold - 2 couplings and drain - 1/4" Industrial Interchange

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 1/2" FBSP | ISI 06 | ISI 068203WK |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | ISI 06 | ISI 068204WK |


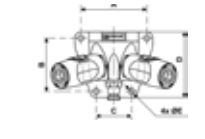
Female threaded double wall manifold - 2 couplings and drain - 3/8" Industrial Interchange

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 1/2" FBSP | ISI 08 | ISI 088203WK |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | ISI 08 | ISI 088204WK |


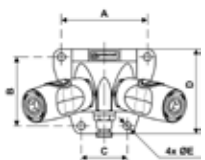
Female threaded double wall manifold - 2 couplings and drain - 1/2" Industrial Interchange

| | | | | | | | | | |
|--|--|----------|----------|----------|----------|----------|----------------------------|----------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | ISI 11 | ISI 118204WK |


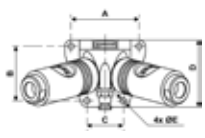
Female threaded double wall manifold - 2 couplings and drain - 1/4" Automotive Truflate Profile

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 1/2" FBSP | USI 06 | USI 068203WK |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | USI 06 | USI 068204WK |

Female threaded double wall manifold - 2 couplings and drain - 3/8" Automotive Truflate Profile


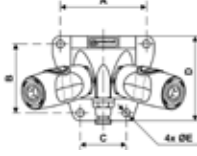
| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 1/2" FBSP | USI 08 | USI 088203WK |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | USI 08 | USI 088204WK |

Female threaded double wall manifold - 2 couplings and drain - 1/2" Automotive Truflate Profile


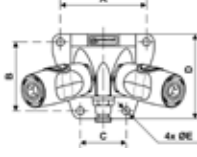
| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | USI 11 | USI 118204WK |

PREVO S1 DOUBLE WALL MANIFOLDS


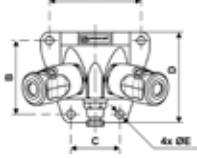
Female threaded double wall manifold - 2 couplings and drain - 3/8" High Flow Interchange

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 1/2" FBSP | ESI 07 | ESI 078203WK |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | ESI 07 | ESI 078204WK |


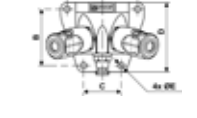
Female threaded double wall manifold - 2 couplings and drain - 1/4" ARO 210 Interchange

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 1/2" FBSP | ASI 06 | ASI 068203WK |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | ASI 06 | ASI 068204WK |


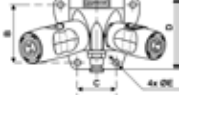
Female threaded double wall manifold - 2 couplings and drain - 1/4" ISO 6150 C Interchange

| | | | | | | | | | |
|--|--|----------|----------|----------|----------|----------|----------------------------|----------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 1/2" FBSP | CSI 06 | CSI 068103WK |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | CSI 06 | CSI 068104WK |


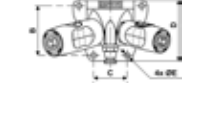
Female threaded double wall manifold - 2 couplings and drain - 3/8" ISO 6150 C Interchange

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 1/2" FBSP | CSI 08 | CSI 088103WK |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | CSI 08 | CSI 088104WK |

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


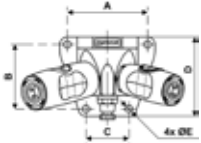
| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|--------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Numbers |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | ISI 06 | ISI 068104WKA6 |
| | | | | | | | | | |

Female threaded double wall manifold - 2 couplings and drain - 1/4" Industrial Interchange and 3/8" High flow profile


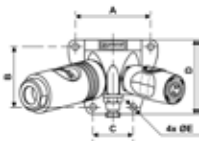
| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|--------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Numbers |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | ISI 06 | ISI 068104WKE7 |
| | | | | | | | | | |

PREVO S1 MIXED WALL MANIFOLDS


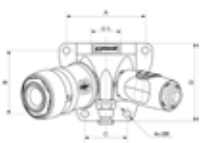
Female threaded double wall manifold - 2 couplings and drain - 3/8" and 1/4" Industrial Interchange

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|-----------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | ISI 08 ISI 06 | ISI 088104WKI6 |


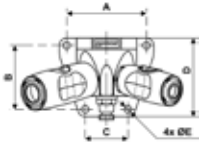
Female threaded double wall manifold - 2 couplings and drain - 1/2" and 1/4" Industrial Interchange

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|-----------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | ISI 11 ISI 06 | ISI 118104WKI6 |


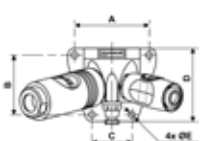
Female threaded double wall manifold - 2 couplings and drain - 1/2" Industrial Interchange - ISG and 1/4" Industrial Interchange

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|-----------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | ISG 11 ISI 06 | ISG 118104WKI6 |

Female threaded double wall manifold - 2 couplings and drain - 3/8" and 1/4" Automotive Truflate Profile


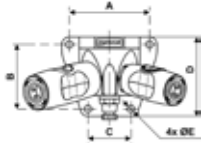
| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|-----------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | USI 08 USI 06 | USI 088204WKU6 |

Female threaded double wall manifold - 2 couplings and drain - 1/2" and 1/4" Automotive Truflate Profile


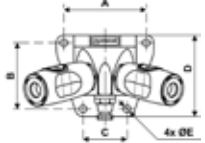
| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|-----------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | USI 11 USI 06 | USI 118204WKU6 |

PREVO S1 MIXED WALL MANIFOLDS


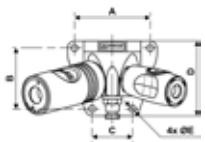
Female threaded double wall manifold - 2 couplings and drain - 1/4" Automotive Truflate profile and 1/4" Industrial Interchange

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|-----------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | USI 06 ISI 06 | USI 068204WKI6 |


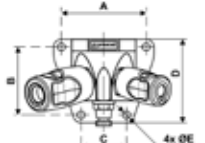
Female threaded double wall manifold - 2 couplings and drain - 3/8" High Flow Interchange and 1/4" ARO 210 Interchange

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|-----------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | ESI 07 ASI 06 | ESI 078104WKA6 |

Female threaded double wall manifold - 2 couplings and drain - 3/8" and 1/2" High Flow Interchange


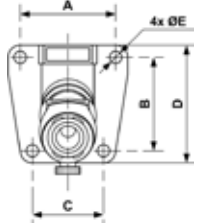
| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|-----------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | ESI 11 ESI 07 | ESI 118104WKE7 |

Female threaded double wall manifold - 2 couplings and drain - ISO C Profile - 3/8" body size and 1/4" body size


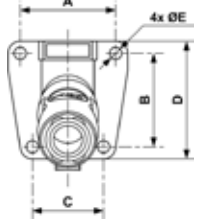
| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|----------------------------|-----------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 2 couplings | Part Number |
| | | 2.795 | 2.244 | 1.496 | 2.756 | 0.256 | 3/4" FNPT | CSI 06 CSI 08 | CSI 088104WKC6 |

PREVO S1 SINGLE WALL MANIFOLDS


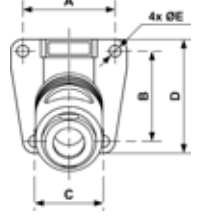
Female threaded double wall manifold - 1 coupling and drain - 1/4" Industrial Interchange

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|---------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 1 coupling | Part Number |
| | | 2.008 | 1.969 | 1.496 | 2.736 | 0.256 | 1/2" FBSP | ISI 06 | ISI 061203WK |


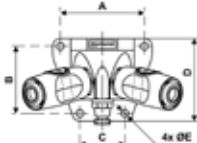
Female threaded single wall manifold - 1 coupling and drain - 3/8" Industrial Interchange

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|---------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 1 coupling | Part Number |
| | | 2.008 | 1.969 | 1.496 | 2.48 | 0.256 | 1/2" FBSP | USI 08 | USI 061203WK |


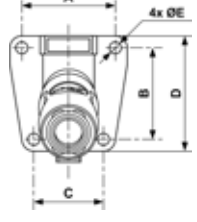
Female threaded single wall manifold - 1 coupling and drain - 1/2" Industrial Interchange

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|---------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 1 coupling | Part Number |
| | | 2.008 | 1.969 | 1.496 | 2.48 | 0.256 | 1/2" FBSP | ISI 11 | ISI 111203WK |

Female threaded single wall manifold - 1 coupling and drain - 1/4" Automotive Truflate Profile


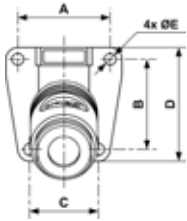
| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|---------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 1 coupling | Part Number |
| | | 2.008 | 1.969 | 1.496 | 2.48 | 0.256 | 1/2" FBSP | USI 06 | USI 061203WK |

Female threaded single wall manifold - 1 coupling and drain - 3/8" Automotive Truflate Profile


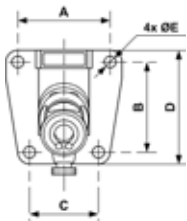
| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|---------------------------|------------------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 1 coupling | Part Number |
| | | 2.008 | 1.969 | 1.496 | 2.48 | 0.256 | 1/2" FBSP | USI 08 | USI 081203WK |

PREVO S1 SINGLE WALL MANIFOLDS


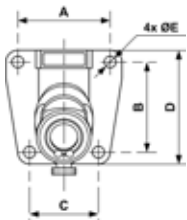
Female threaded single wall manifold - 1 coupling and drain - 1/2" Automotive Truflate Profile

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|---------------------------|---------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 1 coupling | Part Number |
| | | 2.008 | 1.969 | 1.496 | 2.48 | 0.256 | 1/2" FBSP | USI 11 | USI 111203WK |


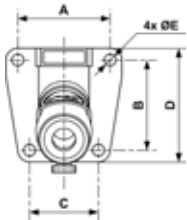
Female threaded double wall manifold - 1 coupling and drain - 1/4" ISO 6150 C Interchange

| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|---------------------------|---------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 1 coupling | Part Number |
| | | 2.008 | 1.969 | 1.496 | 2.48 | 2.559 | 1/2" FBSP | CSI 06 | CSI 061103WK |


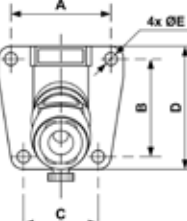
Female threaded double wall manifold - 1 coupling and drain - 3/8" ISO 6150 C Interchange

| | | | | | | | | | |
|--|--|----------|----------|----------|----------|----------|----------------------------|---------------------------|---------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 1 coupling | Part Number |
| | | 2.008 | 1.969 | 1.496 | 2.48 | 0.256 | 1/2" FBSP | CSI 08 | CSI 081103WK |

Female threaded single wall manifold - 1 coupling and drain - 3/8" High Flow Interchange


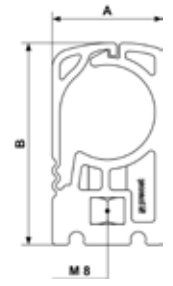
| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|---------------------------|---------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 1 coupling | Part Number |
| | | - | - | - | - | - | 1/2" FBSP | ESI 07 | ESI 071203WK |

Female threaded double wall manifold - 1 coupling and drain - 1/4" ARO 210 Interchange


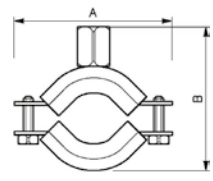
| | | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------------------------|---------------------------|---------------------|
|  |  | A | B | C | D | E | Inlet female thread | Outlet: 1 coupling | Part Number |
| | | - | - | - | - | - | 1/2" FBSP | ASI 06 | ASI 061203WK |

ACCESSORIES

PPS1 CI - Piping Clamp

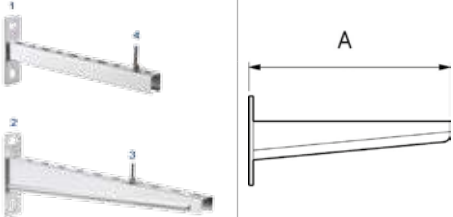
|  |  | A | B | For pipe OD (in) (mm) | Part Number |
|---|---|----------------|------------------|--------------------------|------------------|
| | | 0.945 | 1.85 | 1/2" / 16 mm | PPS1 CI16 |
| 0.945 | 1.929 | 3/4" / 20 mm | PPS1 CI20 | | |
| 1.142 | 2.087 | 1" / 25 mm | PPS1 CI25 | | |
| 1.496 | 2.244 | 1 1/4" / 32 mm | PPS1 CI32 | | |
| 1.929 | 3.917 | 1 1/2" / 40 mm | PPS1 CI40 | | |
| 2.323 | 4.114 | 2" / 50 mm | PPS1 CI50 | | |
| 2.953 | 5.315 | 2 1/2" / 63 mm | PPS1 CI63 | | |
| 3.543 | 5.709 | 3" / 80 mm | PPS1 CI80 | | |

ALR System - Threaded Hanger

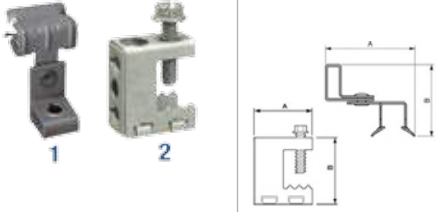
|  |  | A | B | For tube OD (mm) | Part Number |
|---|---|------|---------------|---------------------|---------------|
| | | 2.52 | 2.008 | 20 | CPF 20 |
| 2.756 | 2.047 | 25 | CPF 25 | | |
| 3.071 | 2.362 | 32 | CPF 32 | | |
| 3.583 | 2.638 | 40 | CPF 40 | | |
| 3.937 | 2.874 | 50 | CPF 50 | | |
| 4.016 | 3.268 | 63 | CPF 63 | | |
| 4.882 | 4.567 | 80 | CPF 80 | | |

ACCESSORIES FOR PPS

Metal support bracket


| | | A | B | Description | Length | Max load distributed over the entire length | Part Number |
|---|--|--------|---|--|----------|---|----------------|
|  | | 7.087 | - | Length 7.09 in Max load distributed over the entire length: 293.2 lb (1) | 7.09 in | 293.2 lb (1) | CS 180L |
| | | 11.811 | - | Length 11.81 in Max load distributed over the entire length: 176.4 lb (1) | 11.81 in | 176.4 lb (1) | CS 310L |
| | | 16.535 | - | Length 16.54 in Max load distributed over the entire length: 124.3 lb (1) | 16.54 in | 124.3 lb (1) | CS 420L |
| | | 20.079 | - | Length 20.08 in Max load distributed over the entire length: 165.3 lb (2) | 20.08 in | 165.3 lb (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 (in) | Metric thread | Part Number |
|---|--|-------|-------|----------------------|-------------------|----------------|
|  | | 1.85 | 1.772 | .11" to .31" (1) | | CP 38 |
| | | 2.087 | 1.772 | .31" to .55" (1) | | CP 814 |
| | | 2.283 | 1.772 | .55" to .78" (1) | | CP 1420 |
| | | 1.181 | 1.339 | up to .63" max. (2) | M6 or cross-piece | CP 016 |

ACCESSORIES FOR PPS


PPS1 CLE - Spanner wrench

|  | A | B | C | D | For fitting Ø (in) | Part Number |
|---|---|---|---|---|--------------------|----------------------------|
| | - | - | - | - | 1/2" | PPS1 CLE16 |
| | - | - | - | - | 3/4" | PPS1 CLE20 |
| | - | - | - | - | 1" | PPS1 CLE25 |
| | - | - | - | - | 1 1/4" | PPS1 CLE32 |
| | - | - | - | - | 1 1/2" | PPS1 CLE40 |
| | - | - | - | - | 2" | PPS1 CLE50 |
| | - | - | - | - | 2 1/2" | PPS1 CLE63 |
| | - | - | - | - | 3" | PPS1 CLE80 |

PPS SP - Drill for tapping flange


|  | A | B | C | D | Drill Ø (in) | For pipe OD (in) | Part Number |
|--|---|---|---|---|--------------|------------------|--------------------------|
| | - | - | - | - | 0.63 | 1/2" to 1 1/4" | PPS SP16 |
| | - | - | - | - | 0.87 | 1 1/2" to 2" | PPS SP22 |
| | - | - | - | - | 1.18 | 2 1/2" to 3" | PPS SP30 |
| Boring through for flange | | | | | | | |

PPS AL - Liquid for assembly


|  | A | B | C | D | Capacity (oz) | Part Number |
|---|---|---|---|---|---------------|------------------------|
| | - | - | - | - | 25 | PPS AL |

ACCESSORY

PPS CT - Tools case for pipes preparation


| | | | | | |
|---|-----------------|--|----------------|--------------------------|--------------------|
|  | Includes | Description | Drill Ø | Inlet for pipe OD | Part Number |
| | PPS CTU63 | Tube cutter for PPS tube Ø ext 16 to 63 mm | | | PPS CT1650 |
| | 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 | Part Number |
| | PPS1 CLE16 | Tightening wrench Ø 16 mm | PPS CK1632 |
| | PPS1 CLE20 | Tightening wrench Ø 20 mm | |
| | PPS1 CLE25 | Tightening wrench Ø 25 mm | |
| | PPS1 CLE32 | Tightening wrench Ø 32 mm | PPS CK4050 |
| | PPS1 CLE40 | Tightening wrench Ø 40 mm | |
| | PPS1 CLE50 | Tightening wrench Ø 50 mm | |
| | PPS PEN | Marker pen | PPS CK6380 |
| | PPS1 CLE63 | Tightening wrench Ø 63 mm | |
| PPS1 CLE80 | Tightening wrench Ø 80 mm | | |
| PPS PEN | Marker pen | | |

FLEXIBLE LINKS

Flexible link - Swivel male - male

| | | | | | | |
|---|------------------------|--------------------|--------------------------------------|-------------------------------------|-------------------------|--------------------|
|  | NPT male thread | Length (ft) | Bend radius in inches at 68°F | Max operating pressure (psi) | Temperature (°F) | Part Number |
| | 1/2" | 4.9 | 7 | 2320 | -40° +230°F | LEM 253 |
| | 3/4" | 4.9 | 9.5 | 1530 | -40° +230° F | LEM 254 |
| | 1" | 4.9 | 12 | 1280 | -40° +230° F | LEM 255 |
| | 1 1/4" | 7.2 | 20 | 920 | -40° +230° F | LEM 256 |
| | 1 1/2" | 8.2 | 16.5 | 730 | -40° +230° F | LEM 257 |
| | 2" | 6.5 | 25 | 1160 | -40° +230° F | LEM 258 |



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