RWC

Solutions to Shape the World™

Reliance Worldwide Corporation

Welcome to our family of brands

SharkBite®

Reliance® VALVES

Plumbing & Heating Catalogue 2024

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Reliance Worldwide Corporation Europe

RWC and its brand families develop safe, sustainable and efficient solutions through a range of innovative products.

For a diverse range of sectors such as:

- Plumbing and Heating
- Water Treatment (Filtration, Softening, Osmosis and Dosing)
- Beverage Distribution
- Compressed Air and Pneumatics
- Telecommunications
- Industrial
- Automotive

SharkBite®

John Guest®

Speedfit®

Reliance® VALVES

STRATEGY
PLAN
INVESTMENT
INCOME
MONEY
-VIDEO
-MUSIC
-FILMS
-SEARCH
-CONTACTS
-MESSAGES

Which **applications** are **supported** by each **RWC product?**

For each product or system, you can quickly identify compatibility by the following icons.

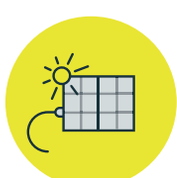
Drinking Water
Water that we can consume or drink without danger to our health.

SHW
Sanitary Hot Water intended for human consumption (potable) that has been heated.

Heating Radiators
Radiator heating is the use of radiators to transfer heat to the room.

Underfloor heating
Heating or cooling by the use of water through pipe circuits located in the floor to transfer heat or cold to the floor.

Iced Water
Water at a temperature between 0° C and 15° C.



Solar Installations
These are systems or components for use in solar thermal installations.

Rainwater
Rainwater that is not absorbed by the ground and is collected and channelled away.

Industrial Water
Water originating from any industrial activity such as process or waste water.

Lubricated Compressed Air
Compressed air with a lubricator to inject a specific quantity of oil into the air stream to lubricate pneumatic equipment.

Dry compressed air
Compressed air that does not use oil lubricators.

Food sector
This is the sector that is responsible for all processes related to the food chain, including the processing of food products.

Chemical Industry
The industry that extracts and processes natural or synthetic raw materials in order to create a commercial product.

Pharmaceutical industry
The industry involved in the manufacture and preparation of medicinal chemicals.

Petrochemical industry
It is the industry that deals with the treatment and transformation of petroleum, petroleum products and natural gas.

Plumbing and Heating

1. Pipes
2. Systems
3. Flow, Temperature and Pressure Control

10 YEARS WARRANTY

1. Pipes

RWC is a leading manufacturer of plastic pipes for various applications. Under the SharkBite and John Guest brands, we offer the widest range on the market in millimetres, inches, single or multi-layer.

- T Multilayer Piping with Aluminium - PERT / AL / PERT
- Peroxide System Cross-linked Polyethylene Piping - PEXa
- Temperature Resistant Polyethylene Pipes - PERT

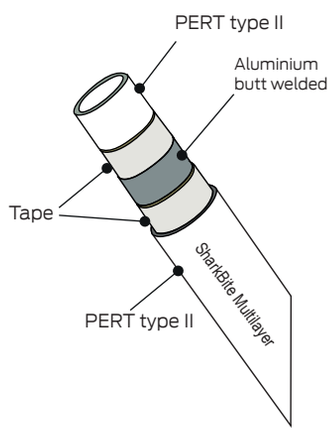
- SharkBite Multilayer - PERT / AL / PERT
- SharkBite PEXa
- SharkBite PEXa UV Black Protection
- SharkBite PERT
- SharkBite PEXa EVOH (3 LAYERS)
- SharkBite PERT EVOH (3 LAYERS)

SharkBite Multilayer - PERT / AL / PERT

APPLICATIONS

- Composed of temperature resistant polyethylene (PERT Type II).
- With aluminium butt welded "head to head".
- Maximum temperature 95° C.
- Maximum pressure 10 bar.
- Oxygen diffusion 0 mg/l

Manufactured according to ISO 21003



AENOR PLASTIC PIPE
001/7526
ISO21003

Code	Colour	Dimension	Length
S8L16100	White	ø16x2.0	100
S8L16200	White	ø16x2.0	200
S8L16500	White	ø16x2.0	500
S8L20100	White	ø20x2.0	100
S8L2550	White	ø25x2.5	50
S8L2650	White	ø26x3.0	50
S8L3250	White	ø32x3.0	50
S8L164	White	ø16x2.0	4 (160)
S8L204	White	ø20x2.0	4 (120)
S8L254	White	ø25x2.5	4 (80)
S8L264	White	ø26x3.0	4 (80)
S8L324	White	ø32x3.0	4 (48)
S8L405	White	ø40x3.5	5
S8L505	White	ø50x4.0	5
S8L635	White	ø63x4.5	5

1. Flexibility

PERT type II is a material used for the manufacture of multi-layer pipes in plumbing and heating applications due to its flexibility. It can be bent and is easier to change direction in tight spaces compared to PVC, CPVC, PP, copper or steel pipes without the need for elbows, reducing costs, potential leak points and pressure losses generated by connections.

2. Easy to install

SharkBite Multilayer pipe installation is more economical than any other type of metal pipe such as copper or steel. Compared to copper, for example, no soldering is required, and compared to other plastic materials, it does not even require glue.

3. Safety

Compared to metallic materials, SharkBite Multilayer does not corrode and does not develop any electrochemical processes that lead to degradation. Compared to copper pipe and fitting systems, its installation does not require the use of a flame that can cause fires, making it one of the safest systems available today.

4. Compatibility

SharkBite Multilayer is perfectly compatible (using adapters), with installations in other materials such as copper and PVC.

5. Durability

SharkBite Multilayer es un material con altas propiedades termomecánicas y se caracteriza por una vida útil de al menos 50 años. Las normas internacionales requieren que los productores de sistemas de tuberías multicapa realicen pruebas que puedan verificar y garantizar la durabilidad del producto como en ISO 21003.

6. Resistance

SharkBite Multilayer has a pressure and temperature resistance of 95° C at 10 bar.

7. Combination PERT type II and aluminium

It allows to obtain "MULTILAYER" pipes, which provide exceptional mechanical properties, offering a single product with the advantages of both materials.

8. They are 100% impermeable to oxygen

Thanks to the butt-welded aluminium layer.

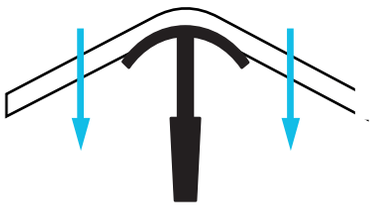
The performance of multilayer tubes depends on many factors:

Type of aluminium alloy, thickness of the aluminium, the position of the aluminium layer, the technology used in forming and welding the aluminium, the adhesion of the PERT to the aluminium.

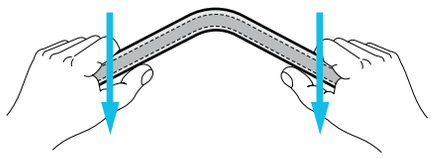
Characteristics of the aluminium alloy used in the production of SharkBite Multilayer are:

- Excellent forming and welding properties.
- High mechanical strength at high temperatures.
- High elastic strength.
- Excellent adhesion due to special degreasing treatments applied on the surface.

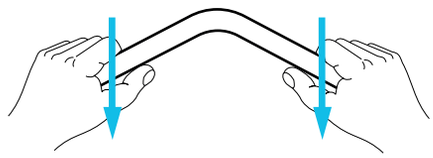
BENDING RADIUS :



Bending Radius with Tool



Bending Radius with inner



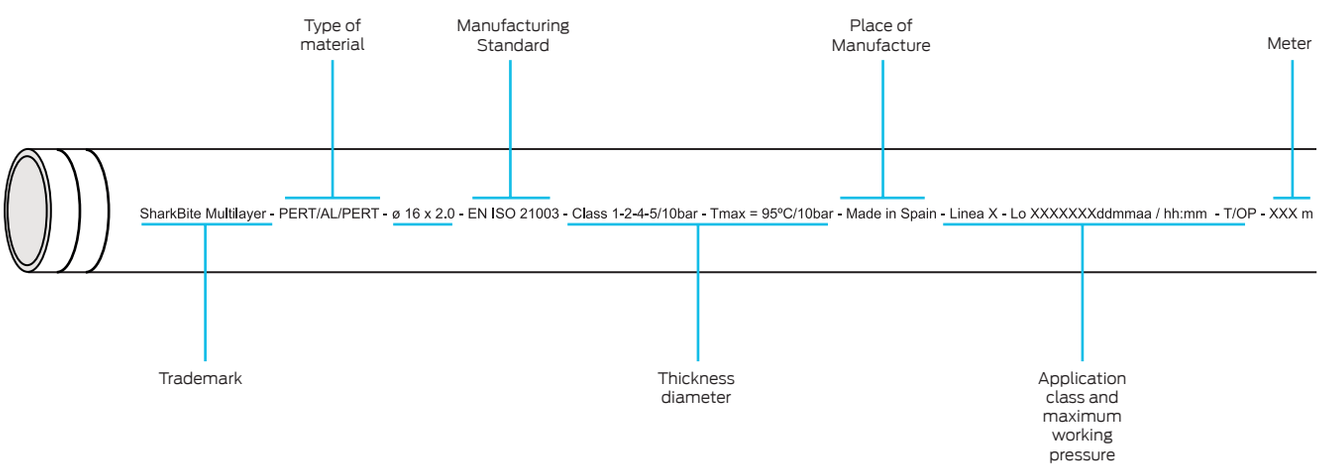
Manual Bending Radius

Diameter	Dimension	R=4xØ	R=5xØ	Diameter	Dimension
Ø16x2.0	49 mm	64 mm	80 mm	Ø40x3.5	150 mm
Ø20x2.0	80 mm	80 mm	100 mm	Ø50x4.0	190 mm
Ø25x2.5	90 mm	90 mm	120 mm	Ø63x4.5	240 mm
Ø26x3.0	90 mm	90 mm	120 mm		
Ø32x3.0	120 mm	120 mm	160 mm		

SharkBite Multilayer Compatibility with Accessories

Dimension	NEXUS	PRESS	SPEEDFIT
Ø16x2.0	√	√	√
Ø20x2.0	√	√	√
Ø25x2.5	√	√	x
Ø26x3.0	x	√	x
Ø32x3.0	√	√	x
Ø40x3.5	x	√	x
Ø50x4.0	x	√	x
Ø63x4.5	x	√	x

SharkBite Multilayer Pipe Marking



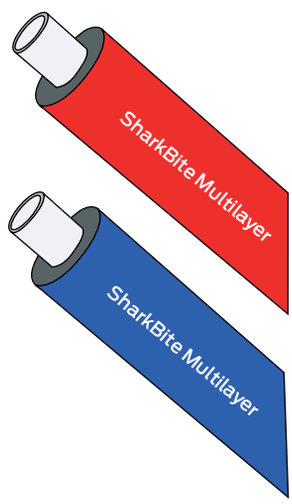
SharkBite Multilayer Isolation

- PERT/ AL / PERT multi-layer pipe with insulation.
- Maximum temperature 95º C. Maximum pressure 10 bar.

The insulation of SharkBite Multilayer pipes not only reduces energy exchanges between the pipes and their surroundings, but also insulates them from noise and at the same time provides protection.

Manufactured according to ISO 21003

Code	Colour	Dimension	Length
S8LI16R100	Red	ø16x2.0 (6 mm)	100
S8LI16B100	Blue	ø16x2.0 (6 mm)	100
S8LI20R100	Red	ø20x2.0 (6 mm)	100
S8LI20B100	Blue	ø20x2.0 (6 mm)	100
S8LI25R50	Red	ø25x2.5 (10 mm)	50
S8LI25B50	Blue	ø25x2.5 (10 mm)	50
S8LI26R50	Red	ø26x3.0 (10 mm)	50
S8LI26B50	Blue	ø26x3.0 (10 mm)	50
S8LI32R25	Red	ø32x3.0 (10 mm)	25
S8LI32B25	Blue	ø32x3.0 (10 mm)	25



In pipes used for the conveyance of cold water, insulation is used for:

- Prevent the formation of condensation.
- Avoid or reduce the heating of water.
- Prevent or reduce noise transmission.
- Protect the pipe.

In pipes used for the conveyance of hot water, insulation is used for:

- Reduce energy loss and consequent water cooling.
- Avoid or reduce noise transmission.
- Protect the pipe.
- Absorb heat expansion / contraction.

RWC EUROPE supplies SharkBite Multilayer pipes with pre-assembled, fire-retardant, closed-cell polyethylene foam insulation, which speeds up and simplifies the installation of systems.

SharkBite Multilayer with insulation can be used for air conditioning systems as long as the temperature and pressure limits defined by the standard are observed. Typical liquids used are:

- Water
- Water with glycol (ethylene or propylene)
- Other Liquids provided that are not compatible / non-aggressive with PERT type II (consult compatibility).

Therefore, cryogenic liquids such as Freon or ammonia should not be used.

The choice of insulation thickness depends on the application and conditions of use, and always in compliance with local regulations or standards.

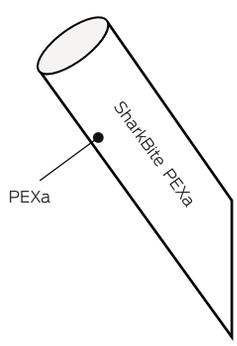
Diameter	Thickness Insulation	Outside Diameter	Weight	Thermal Conductivity
Ø16x2.0	6 mm	Ø28mm	123 g/m	0.058 W/mK
Ø20x2.0	6 mm	Ø32mm	153 g/m	0.056 W/mK
Ø25x2.5	10 mm	Ø45mm	238 g/m	0.059 W/mK
Ø26x3.0	10 mm	Ø46mm	273 g/m	0.063 W/mK

SharkBite PEXa

APPLICATIONS

- PEXa cross-linked polyethylene pipe by peroxide Xa system.
- Corrosion resistant. Excellent thermal memory. Lightweight and flexible.
- Maximum temperature 95° C.
- Minimum temperature -40° C.
-

Manufactured according to ISO 15875



AENOR
PLASTIC PIPE
001/6649
ISO15875

Code	Colour	Dimension	Length
S816S4T100	Natural	ø16 x1.8	100
S816S4T200	Natural	ø16 x1.8	200
S820S5T100	Natural	ø20x1.9	100
S820S5T200	Natural	ø20x1.9	200
S825S5T100	Natural	ø25x2.3	100
S832S5T50	Natural	ø35x2.9	50
S816S4T4	Natural	ø16 x1.8	4 (148)
S820S5T4	Natural	ø20x1.9	4 (112)
S825S5T4	Natural	ø25x2.3	4 (68)
S832S5T4	Natural	ø32x2.9	4 (44)

Cross-linked Polyethylene PEXa - SharkBite PEXa

Cross-linked polyethylene (commonly abbreviated as PEX), is used for the manufacture of pipes for hot and cold water supply, for the transport of natural gas and for the transport of industrial chemicals, manufactured according to ISO15875 (EUROPE) AS2492 (AUSTRALIA) and ASTM F876 (USA).

The raw material of PEX is HDPE (high density polyethylene) and contains bonds in the polymer structure which completely modify its characteristics, thus making it a very versatile material.
The raw material of PEX is HDPE (high density polyethylene) and contains bonds in the polymer structure that completely change its characteristics, changing the thermoplastic to a thermoset.

The cross-linking process can be carried out using different technologies which are recognised by international standards and identified as
international standards and identified as :
PEXa - PEXb - PEXc

The cross-linking process is carried out during extrusion (PEXa) or after extrusion (PEXb and PEXc). The ISO 15875 standard indicates the degree of cross-linking that each type of cross-linking process must have.

PEXa ≥ 70% SharkBite PEXa
PEXb ≥ 65%
PEXc ≥ 60%

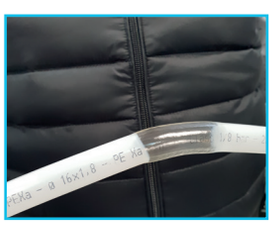
Cross-linking improves the properties of the pipe, obtaining:

1. High temperature resistance 95° C
2. Low temperature resistance - 40° C - PEXa
3. Chemical resistance
4. Impact resistance
5. Tensile strength
6. Excellent thermal memory

PEXa is produced by the peroxide method (Engel or Infrared System I.R. are the most common). Cross-linking is carried out at a temperature higher than the melting point of HDPE polyethylene. The material is extruded and immediately thereafter held at high temperatures and/or pressures. During this process, the peroxide decomposes into free radicals and reacts with the polymer, creating chains that are connected to each other in a three-dimensional network by chemical bonds.

SharkBite PEXa tubing, due to its excellent thermal memory, can be repaired in the event of accidental bursting during installation. **Repairs can be made using the following recommendations:**

- Make sure that the installation is not pressurised.
- Straighten the pipe by hand.
- Heat the pinched area with a heat gun (never with a flame) until the tubing becomes transparent and returns to its original size and position.
- Allow the SharkBite PEXa tubing to cool at room temperature or with the aid of a wet rag until the tubing has returned to its original opaque appearance.

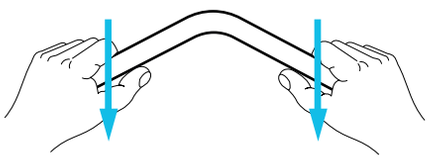


SharkBite PEXa tubing due to its excellent thermal memory absorbs the increase in size due to freezing. Cross-linking by the PEXa system (peroxide method), allows it to expand (due to the increase in volume due to freezing) and absorb much of the expansion energy of the freezing process. No pipe is completely immune to freezing, but RWC's SharkBite PEXa pipe is extremely resistant to freezing damage.

In the event of freezing, the following recommendations may be made:

- The installer or user should correct the lack of insulation to prevent recurrence.
- Pour hot water over the affected portion of the SharkBite PEXa tubing.
- Wrap warm rags or towels around the affected portion of the frozen pipe.
- Heat the area with air (never with a flame) or an air heater until completely thawed.

BENDING RADIUS:



Manual Bending Radius

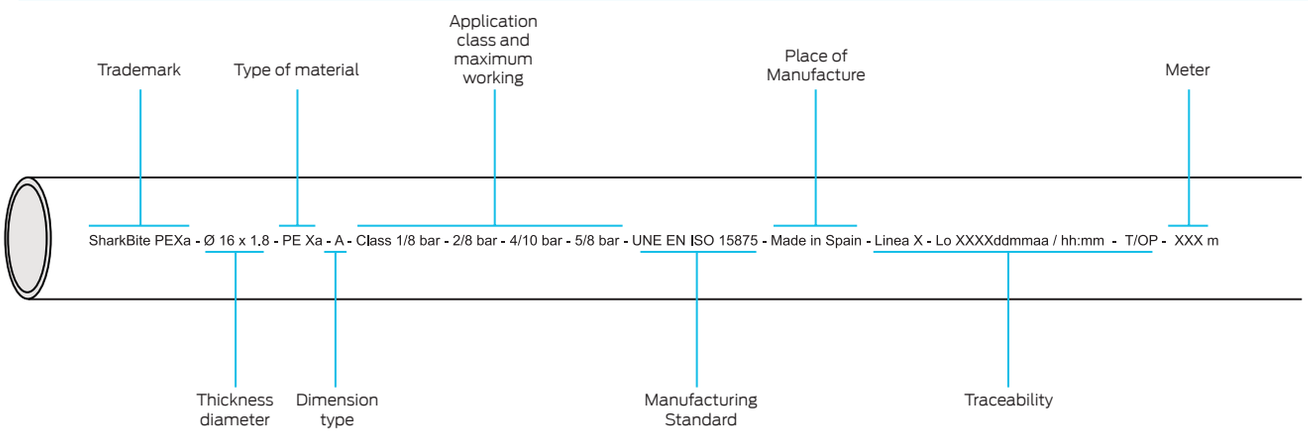
Diameter	Hot Bending	Cold Bending
Ø16x1.5	48 mm	64 mm
Ø16x1.8	48 mm	64 mm
Ø16x2.2	48 mm	64 mm
Ø20x1.9	60 mm	80 mm
Ø20x2.8	60 mm	80 mm
Ø25x2.3	100 mm	125 mm
Ø25x1.5	100 mm	125 mm
Ø32x2.9	128 mm	192 mm
Ø33x4.4	128 mm	192 mm

By using hot air and heating the SharkBite PEXa tubing until it becomes transparent (around 130˚C), it is possible to create tighter bends.

SharkBite PEXa Compatibility with Accessories

Dimension	NEXUS	PRESS	SPEEDFIT
Ø16x1.8	√	√	√
Ø20x1.9	√	√	√
Ø25x2.3	√	√	X
Ø32x2.9	√	√	X

SharkBite PEXa Pipe Marking

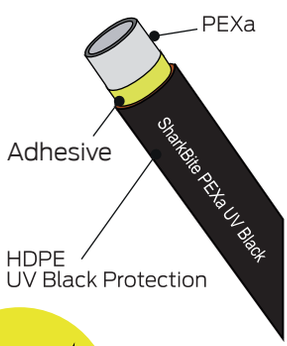


SharkBite PEXa UV Black Protection

APPLICATIONS

- Xa cross-linked polyethylene pipe by the multilayer peroxide Xa system. Corrosion resistant
- Excellent thermal memory - Lightweight and flexible.
- UV protection from sunlight by 3% carbon black.
- Maximum temperature 95˚C.
- Minimum temperature 40˚C.
- Maximum pressure 8 Bar.

Manufactured according to ISO 15875 y AS 2492



UV PROTECTION

Suitable for Outdoor Installations

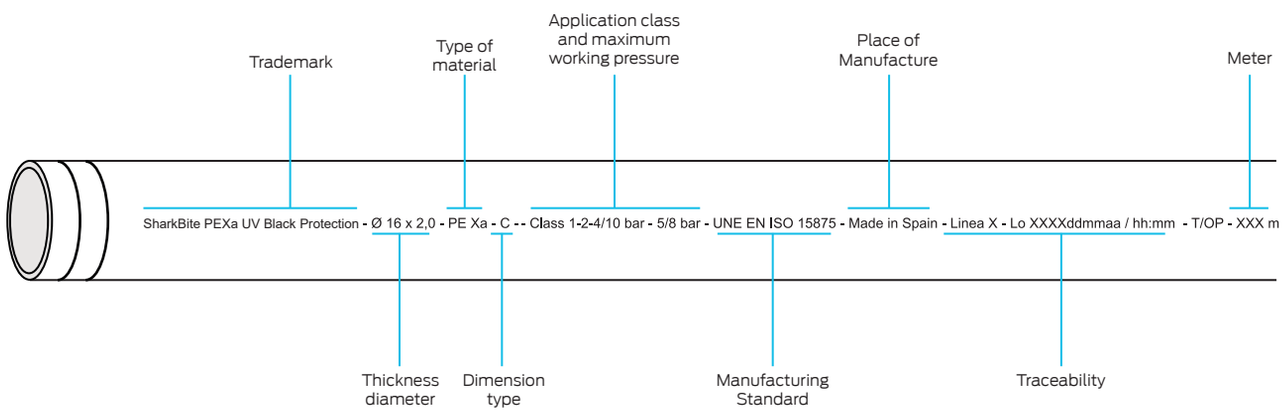
Code	Colour	Dimension	Length
S816S4UV100	Black	ø16x2.0	100
S816S4UV200	Black	ø16x2.0	200
S820S5UV100	Black	ø20x2.0	100
S820S5UV200	Black	ø20x2.0	200
S825S5UV100	Black	ø25x2.3	100
S832S5UV50	Black	ø32x2.9	50
S816S4UV4	Black	ø16x2.0	4 (148)
S820S5UV4	Black	ø20x2.0	4 (112)
S825S5UV4	Black	ø25x2.3	4 (68)
S832S5UV4	Black	ø32x2.9	4 (44)

AENOR
PLASTIC PIPE
001/6597
ISO15875

SharkBite PEXa UV Black Protection Compatibility with Accessories

Dimension	NEXUS	PRESS	SPEEDFIT
Ø16x2.0	√	√	√
Ø20x2.0	√	√	√
Ø25x2.3	√	√	X
Ø32x2.9	√	√	X

SharkBite PEXa UV Black Protection Pipe Marking

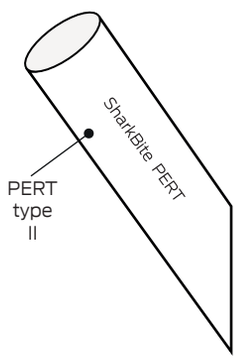


SharkBite PERT

APPLICATIONS

- Composed of PERT Type II temperature resistant polyethylene.
- Corrosion resistant, lightweight and flexible.
- Maximum temperature 70 °C.
- Maximum pressure 4 Bar.

Manufactured according to ISO 22391

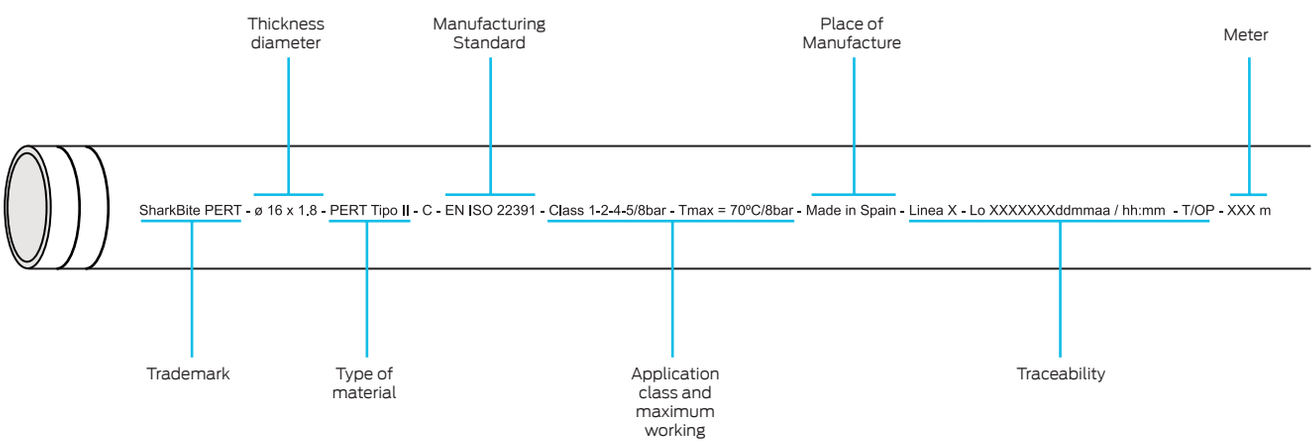


Code	Colour	Dimension	Length
10BPERT-25W	White	ø10x1.5	25
10BPERT-50W	White	ø10x1.5	50
10BPERT-100W	White	ø10x1.5	100
12BPERT-25W	White	ø12x1.5	25
12BPERT-50W	White	ø12x1.5	50
12BPERT-100W	White	ø12x1.5	100
15BPERT-25W	White	ø15x1.5	25
15BPERT-50W	White	ø15x1.5	50
15BPERT-100W	White	ø15x1.5	100
16BPERT-25W	White	ø16x1.5	25
16BPERT-50W	White	ø16x1.5	50
16BPERT-100W	White	ø16x1.5	100
18BPERT-25W	White	ø18x1.7	25
18BPERT-50W	White	ø18x1.7	50
20BPERT-25W	White	ø20x1.9	25
20BPERT-50W	White	ø20x1.9	50
22BPERT-25W	White	ø22x2.0	25
22BPERT-50W	White	ø22x2.0	50
28BPERT-25W	White	ø28x2.6	25
15BPERT-3W	White	ø15x1.5	3 (60)
16BPERT-3W	White	ø16x1.5	3 (60)
18BPERT-3W	White	ø18x1.7	3 (60)
20BPERT-3W	White	ø20x1.9	3 (60)
22BPERT-3W	White	ø22x2.0	3 (60)
29BPERT-3W	White	ø28x2.6	3 (30)

SharkBite PERT Compatibility with Accessories

Dimension	NEXUS	PRESS	SPEEDFIT
ø10x1.5	X	X	√
ø12x1.5	X	X	√
ø15x1.5	X	X	√
ø16x1.5	X	√	√
ø18x1.7	X	X	√
ø22x2.0	X	X	√
ø28x2.6	X	X	√
ø40x3.5	X	√	X
ø50x4.0	X	√	X
ø63x4.5	X	√	X

SharkBite PERT Pipeline Marking



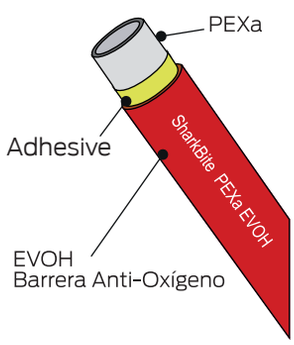
SharkBite PEXa EVOH — 3 LAYERS

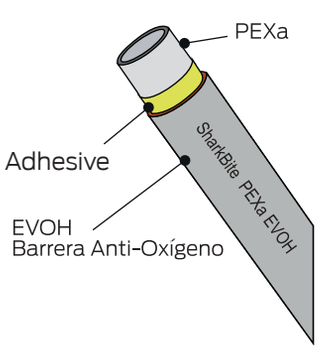
APPLICATIONS

- PEXa cross-linked polyethylene pipe by peroxide system. 3-layer oxygen diffusion barrier.
- Prevents oxidation of metal elements, such as the boiler and metal components.
- Made of EVOH (ethylene-vinyl alcohol) coating for oxygen diffusion resistance according to DIN 4726.
- Corrosion resistant - Excellent thermal memory - Lightweight and flexible.
- Maximum temperature 95° C.
- Minimum temperature -40° C.
- Maximum pressure 8 Bar.
- Oxygen diffusion <0,1 mg/ld.

Manufactured according to ISO 15875

Code	Colour	Dimension	Length
S81618EVR100	Red	ø16x1.8	100
S81618EVR120	Red	ø16x1.8	120
S81618EVR200	Red	ø16x1.8	200
S81618EVR240	Red	ø16x1.8	240
S81618EVR500	Red	ø16x1.8	500
S816S4EVR100	Red	ø16x2.0	100
S816S4EVR120	Red	ø16x2.0	120
S816S4EVR200	Red	ø16x2.0	200
S816S4EVR240	Red	ø16x2.0	240
S816S4EVR500	Red	ø16x2.0	500
S817S4EVR200	Red	ø17x2.0	200
S817S4EVR500	Red	ø17x2.0	500
S82019EVR120	Red	ø20x1.9	120
S82019EVR200	Red	ø20x1.9	200
S820S5EVR120	Red	ø20x2.0	120
S820S5EVR200	Red	ø20x2.0	200
S825S5EVR100	Red	ø25x2.3	100
S832S5EVR50	Red	ø32x2.9	50
S816S4EVR4	Red	ø16x2.0	4 (148)
S820S5EVR4	Red	ø20x2.0	4 (112)
S825S5EVR4	Red	ø25x2.3	4 (68)
S832S5EVR4	Red	ø32x2.9	4 (44)
S816S32EVS100	Silver	ø16x2.2	100
S816S32EVS120	Silver	ø16x2.2	120
S816S32EVS200	Silver	ø16x2.2	200
S816S32EVS240	Silver	ø16x2.2	240
S816S32EVS500	Silver	ø16x2.2	500
S820S32EVS100	Silver	ø20x2.8	100
S820S32EVS120	Silver	ø20x2.8	120
S820S32EVS200	Silver	ø20x2.8	200
S825S32EVS100	Silver	ø25x3.5	100
S832S32EVS50	Silver	ø32x4.4	50



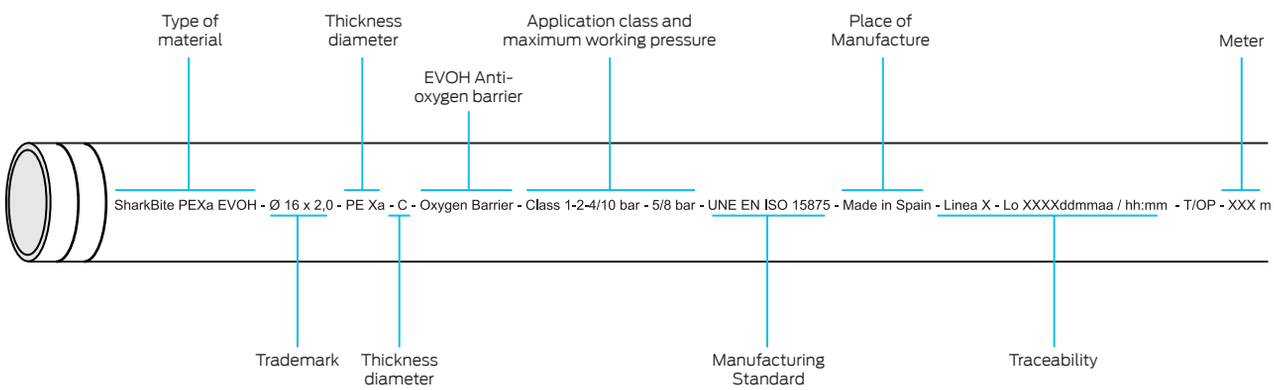


AENOR
PLASTIC PIPE
001/6649
ISO15875

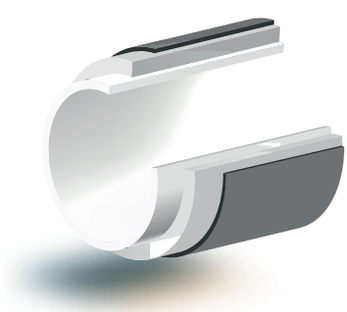
SharkBite PEXa EVOH Compatibility with Accessories

Dimension	NEXUS	PRESS	SPEEDFIT
Ø16x1.8	X	√	√
Ø16x2.0	X	√	√
Ø16x2.2	X	X	√
Ø17x2.0	X	X	X
Ø20x1.9	X	√	√
Ø20x2.0	X	√	√
Ø20x2.8	X	X	√
Ø25x2.3	X	√	X
Ø25x3.5	X	X	X
Ø32x2.9	X	√	X
Ø32x4.4	X	X	X

SharkBite PEXa EVOH Pipe Marking — 3 LAYERS



White PEXa — Gris Adhesive — Red EVOH



White PEXa — Gris Adhesive — Silver EVOH

Cross-linked Polyethylene PEXa EVOH

Cross-linked polyethylene (commonly abbreviated as PEX), is used for the manufacture of pipes for hot and cold water supply, for the transport of natural gas and for the transport of industrial chemicals, manufactured according to ISO15875 (EUROPE) AS2492 (AUSTRALIA) and ASTM F876 (USA).

The raw material of PEX is HDPE (high density polyethylene) and contains bonds in the polymer structure that completely change its characteristics, changing the thermoplastic to a thermoset.

The cross-linking process can be carried out using different technologies which are recognised by international standards and identified as
international standards and identified as :
PEXa - PEXb - PEXc

The cross-linking process is carried out during extrusion (PEXa) or after extrusion (PEXb and PEXc). The ISO 15875 standard indicates the degree of cross-linking that each type of cross-linking process must have

PEXa ≥ 70% SharkBite PEXa EVOH
PEXb ≥ 65%
PEXc ≥ 60%

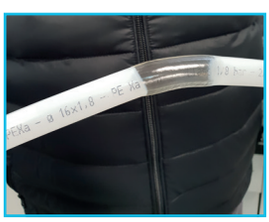
Cross-linking improves the properties of the pipe, resulting in:

1. High temperature resistance 95° C
2. Low temperature resistance - 40° C - PEXa
3. Chemical resistance
4. Impact resistance
5. Tensile strength
6. Excellent thermal memory

PEXa is produced by the peroxide method (Engel or Infrared System I.R. are the most common). Cross-linking is carried out at a temperature higher than the melting point of HDPE polyethylene. The material is extruded and immediately thereafter held at high temperatures and/or pressures. During this process, the peroxide decomposes into free radicals and reacts with the polymer, creating chains that are connected to each other in a three-dimensional network by chemical bonds.

SharkBite PEXa EVOH pipes due to its excellent thermal memory can be repaired in the event of an accidental choke during installation. **The repair can be made according to the following recommendations:**

- Make sure that the installation is not pressurised.
- Straighten the pipe by hand.
- Heat the choked area with a heat gun (never with a flame) until the pipe becomes transparent and returns to its original size and position.
- Allow the pipe to cool at room temperature or with the help of a wet cloth until the pipe has returned to its original opaque appearance.
- In case of PEXa EVOH tubing with oxygen barrier, repair is also possible but the EVOH layer will be damaged in the area where heat is applied.

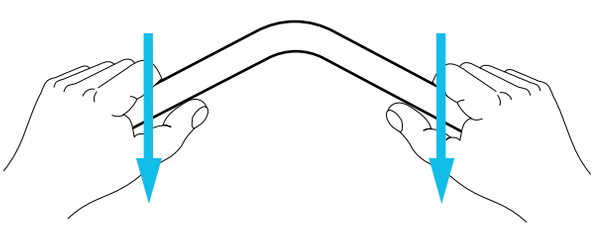


SharkBite PEXa EVOH pipes due to their excellent thermal memory absorb the increase in size due to freezing. Cross-linking by the PEXa system (peroxide method), allows it to expand (due to the increase in volume due to freezing) and absorb much of the expansion energy of the freezing process. No pipe is completely immune to freezing, but RWC's SharkBite PEXa EVOH and SharkBite PEXa EVOH Plus pipe is extremely resistant to freezing damage.

In case of frostbite, the following recommendations may be made:

- The installer or user must correct the lack of insulation to prevent recurrence.
- Pour hot water over the affected portion of the SharkBite PEXa EVOH - SharkBite PEXa EVOH Plus tubing.
- Wrap warm rags or towels around the affected portion of the frozen pipe.
- Heat the area with air (never with a flame) or an air heater until completely thawed.

BENDING RADIUS :



MANUAL BENDING RADIUS

Diameter	Cold Bending
Ø16x1.5	64 mm
Ø16x1.8	64 mm
Ø16x2.2	64 mm
Ø20x1.9	80 mm
Ø20x2.8	80 mm
Ø25x2.3	125 mm
Ø25x1.5	125 mm
Ø32x2.9	192 mm
Ø33x4.4	192 mm

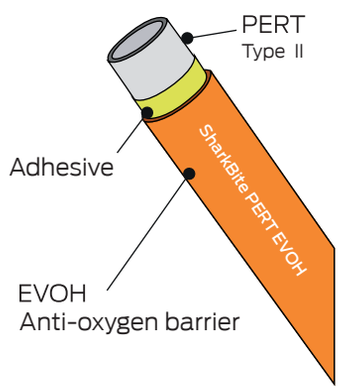
SharkBite PERT EVOH 3 LAYERS

APPLICATIONS

- ERT Type II temperature resistant polyethylene pipe.
- 3-layer oxygen diffusion barrier 3 LAYERS (PERT / Adhesive / EVOH).
- Manufactured with EVOH (ethylene vinyl alcohol) layer for oxygen diffusion resistance according to DIN 4726. Corro-
- sion resistant - Lightweight and flexible.
- Maximum temperature 70 ° C.
-
-

Manufactured according to ISO 22391

Code	Colour	Dimension	Length
S81615PEVN120	Orange	ø16x1.5	120
S81615PEVN200	Orange	ø16x1.5	200
S81615PEVN240	Orange	ø16x1.5	240
S81615PEVN500	Orange	ø16x1.5	500
S81618PEVN120	Orange	ø16x1.8	120
S81618PEVN200	Orange	ø16x1.8	200
S81618PEVN240	Orange	ø16x1.8	240
S81618PEVN500	Orange	ø16x1.8	500
S816PEVN120	Orange	ø16x2.0	120
S816PEVN200	Orange	ø16x2.0	200
S816PEVN240	Orange	ø16x2.0	240
S816PEVN500	Orange	ø16x2.0	500
S817PEVN120	Orange	ø17x2.0	120
S817PEVN200	Orange	ø17x2.0	200
S817PEVN240	Orange	ø17x2.0	240
S817PEVN500	Orange	ø17x2.0	500
S82019PEVN120	Orange	ø20x1.9	120
S82019PEVN200	Orange	ø20x1.9	200
S82019PEVN480	Orange	ø20x1.9	480
S820PEVN120	Orange	ø20x2.0	120
S820PEVN200	Orange	ø20x2.0	200
S820PEVN480	Orange	ø20x2.0	480

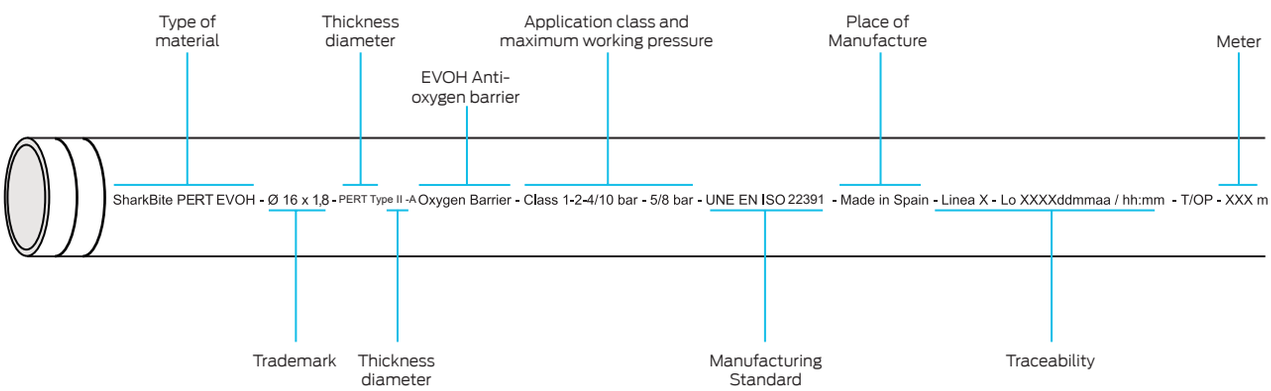


AENOR
PLASTIC PIPE
001/6835
ISO22391

SharkBite PERT EVOH Compatibility with Accessories

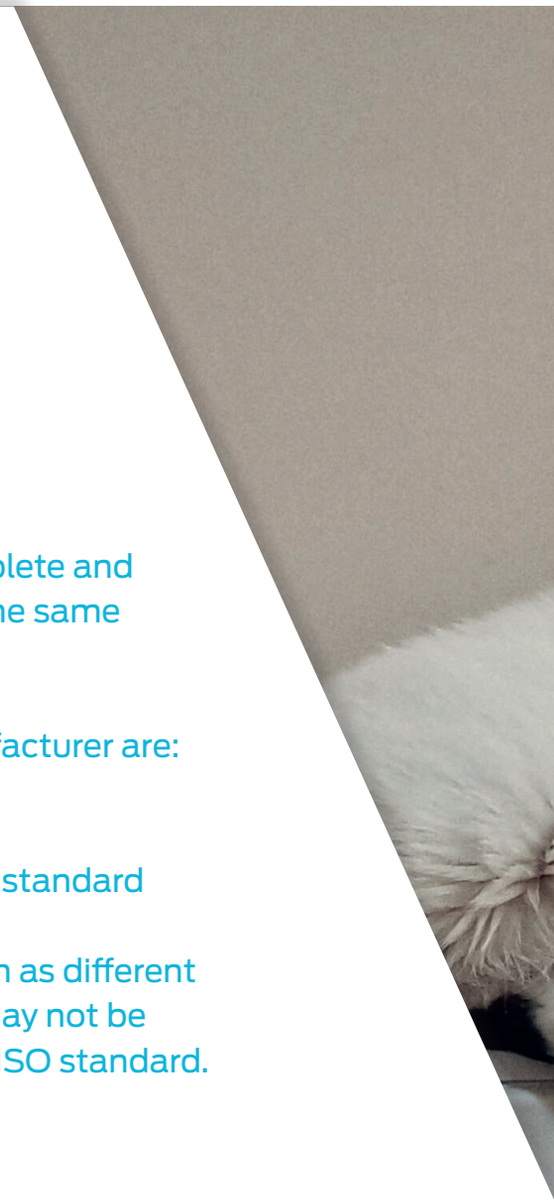
Dimension	NEXUS	PRESS	SPEEDFIT
Ø16x1.5	X	√	√
Ø16x1.8	X	√	√
Ø16x2.0	X	√	√
Ø17x2.0	X	X	X
Ø20x1.9	X	√	√
Ø20x2.0	X	√	√

SharkBite PERT EVOH Pipe Marking 3 LAYERS



White PERT Type II
Gris Adhesive
Orange EVOH

2. Systems



SYSTEM are all those components necessary for a complete and correct installation. The components must come from the same manufacturer and form an integrated system.

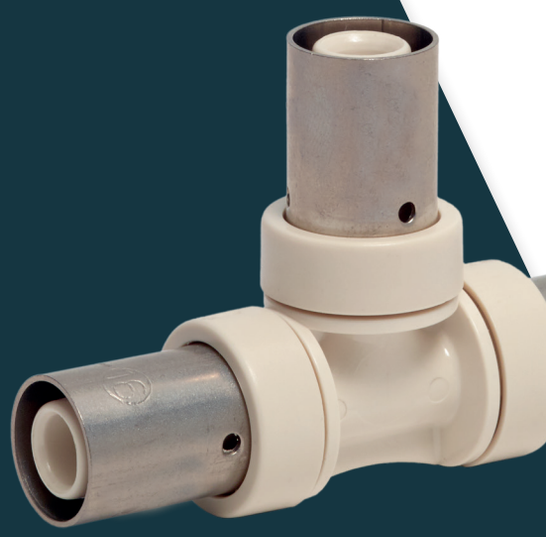
The advantages of using a system from the same manufacturer are:

- 100 % compatibility between all components.
- Integration under the same manufacturer's installation standard (Technical manual)
- 100 % guarantee of all components and the installation as different manufacturers do not conflict with each other, which may not be compatible with each other within the tolerance of the ISO standard.

- SharkBite PRESS
- SharkBite NEXUS
- SharkBite FLOOR

SharkBite® PRESS

- Available in ø 16, ø 20, ø 25, ø 26, ø 32, ø 40, ø 50 y ø 63 mm
- Compatible with PEX, PERT and MULTICAPA pipes with aluminium
- SharkBite PRESS is a Press Fitting type system
- PPSU (Polyphenylsulphone) Range
- Brass (CW617N) Range
- European manufacture



- **Stock saving :** It allows us to save up to 50% of fittings as it is compatible with PEX, PERT and MULTICAPA depending on the application.
- **Minimum volume :** It is designed with the minimum volume with respect to the pipe, which allows us to embed the installation in both classic (bricks) and modern (plasterboard or synthetic materials) partition walls.
- **Pressure and temperature resistance :** The working temperature can be raised to 95° C, with a pressure of 10 bar.
- **Corrosion resistance :** The smooth surface of the pipe prevents sedimentation from adhering to the walls during the lifetime of the system.
- **Low weight :** It is light in weight, which speeds up installation and saves time and money in transportation.
- **Long life :** If the system is used according to technical specifications in pressures and temperatures, the whole system is built to last for a long life. system is built to last at least 50 years.
- **No noise :** The PPSU material avoids the noises produced by the water circulation, due to its low roughness coefficient, damping between 2 and 3 times the water hammer, compared to the traditional brass or copper systems.
- **Healthy :** Manufactured with materials approved for the transport of drinking water, providing no odour, taste or toxicity.

Body	PPSU (Polyphenylsulphone) or Brass CW617N. European manufacture
Bushing Holder	PPSU (Polyphenylsulphone)
Bushing	AISI 304 Tempered
Sealing gasket	EPDM Peroxide 70
Range	ø 16 - ø 20 - ø 25 - ø 26 - ø 32 - ø 40 - ø 50 - ø 63 mm

AENOR
PLASTIC PIPING SYSTEMS
001/7277
ISO21003 Application class Design pressure(bar) 1/6;2/6;4/6;5/6

YouTube

https://www.youtube.com/channel/UCxgatoiLVygrIsaye83KX8A/playlists?view=50&sort=dd&shelf_id=4

SharkBite PRESS Pipe Compatibility

	SharkBite PRESS
SharkBite Multilayer	√
SharkBite PEXa	√
SharkBite PEXa UV Black	√
SharkBite PEXa EVOH	√
SharkBite PERT EVOH	√

JAWS / PRESSINGS
U - RF - TH

COMPATIBLE with all tools on the market

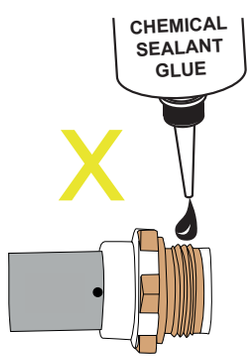
	SharkBite PRESS
Ø16x1.5	√
Ø16x1.8	√
Ø16x2.2	X
Ø20x1.9	√
Ø20x2.8	X
Ø25x2.3	√
Ø25x2.5	√
Ø25x3.5	X
Ø26x3.0	√
Ø32x2.9	√
Ø32x3.0	√
Ø32x4.4	X
Ø40x3.5	√
Ø50x4.0	√
Ø63x4.5	√

Caution with the use of chemical threads, strippers and/or PVC glues.

Anaerobic sealants used for metal threads cause stress cracks and breaks in contact with thermoplastic materials. Regardless of whether the threads of the fittings are metal, indirect or accidental contact with PPSU plastic parts can cause cracking or breakage. SharkBite PRESS fittings (PPSU or PPSU with metal insert) should be fitted with thread, PTFE tape, Silicone Tape or hemp / tow. See compatibility table in the technical manual.

PTFE tape thicknesses shall meet the following requirements:

- 0.075 mm to 0.100 mm for threads of ½″.
- 0.100 mm to 0.200 mm for threads of ¾″ and 1″.
- The PTFE tape shall be 100 % PTFE according to EN 571 - 3 FRp.
- Leave the first thread free to facilitate joining.

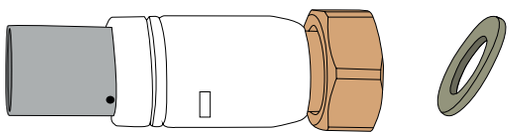


The tightening torque or maximum torque for tightening of threads is as follows:

- For ½˝ threads it is 40 Nm (Newton metre)
- For ¾˝ threads it is 60 Nm (Newton metre)
- For 1˝ threads it is 70 Nm (Newton metre)

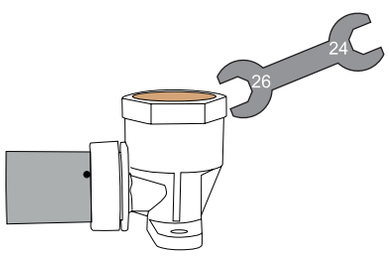
For SharkBite PRESS (PPSU) Teehreaded fittings (fitting, elbow or Tee), it must be ensured that the flat seal is placed in the socket without using any other sealant:

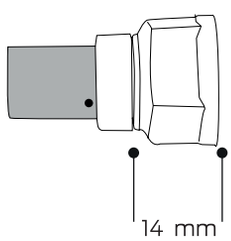
- Tighten by hand and finish tightening with the appropriate spanner to a maximum of ¼ turn.



The use of SharkBite PRESS (PPSU) Tee With Female threaded fittings should be in accordance with the following recommendations:

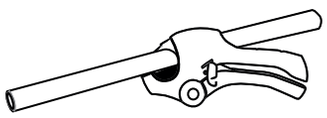
-
- Do not use male threads deeper than 14 mm.
  Use the fixed spanner according to the thread size to fix the Tee With Female Threadhread and another spanner to insert the male thread.



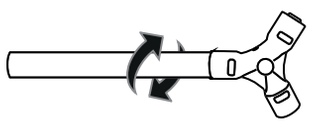


Assembly Instructions

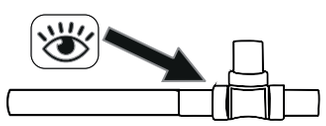
1. Cut the tube perpendicularly at90˚.



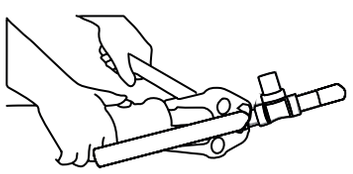
2. Calibrate and chamfer the end of the tube.



3. Insert the end of the bevelled tube into the fitting until the tube extends beyond the visual check hole.

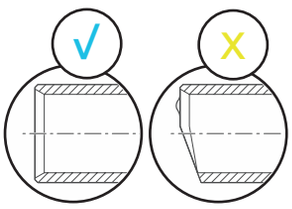


4. Press, following the tool manufacturer's instructions. For correct pressing, it is necessary that the tool complies with the maintenance required by the manufacturer.

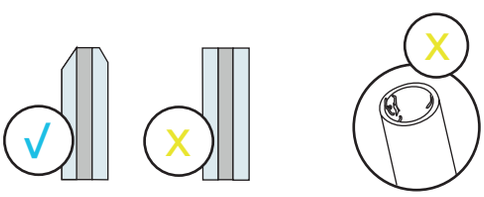


The following instructions and recommendations should be followed for the correct use of SharkBite PRESS accessories:

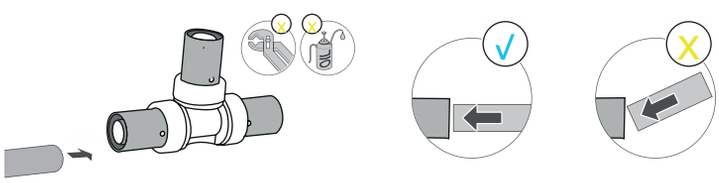
- Ensure that the pipe is cut at 90˚.



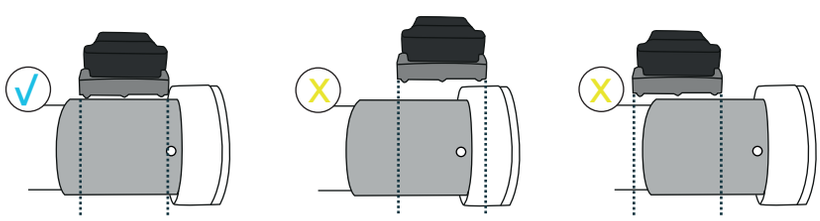
- Ensure that no material remains in the tube and that the chamfering is done correctly internally and externally.



- Do not use any tools or lubricants to insert the tube into the SharkBite PRESS fitting.
- Insert straight tube into fitting.



- Check that the clamp is correctly positioned, aligned with the shell holder.



Coupling PPSU

Code	Dimension	Box A
SNP001616	16-16	30
SNP002020	20-20	20
SNP002525	25-25	12
SNP002626	26-26	12
SNP003232	32-32	6

Coupling Brass

Code	Dimension	Box A
SNP004040BB	40-40	7
SNP005050BB	50-50	6
SNP006363BB	63-63	3

Sleeve Coupling Reducer PPSU

Code	Dimension	Box A
SNP001620	20-16	20
SNP001625	25-16	15
SNP002025	25-20	15
SNP002532	32-25	8
SNP001626	26-16	15
SNP002026	26-20	15
SNP002632	32-26	8

Sleeve Coupling Reducer Brass

Code	Dimension	Box A
SNP001632BB	32-16	30
SNP002032BB	32-20	20
SNP002540BB	40-25	10
SNP002640BB	40-26	10
SNP003240BB	40-32	8
SNP003250BB	50-32	6
SNP004050BB	50-40	5
SNP004063BB	63-40	2
SNP005063BB	63-50	2

Swivel Nut Union PPSU

Code	Dimension	Box A
SNP011612FBSW	16-1/2"	20
SNP012012FBSW	20-1/2"	20
SNP012034FBSW	20-3/4"	15
SNP012534FBSW	25-3/4"	12
SNP012501FBSW	25-1"	8
SNP012634FBSW	26-3/4"	12
SNP012601FBSW	26-1"	8
SNP013201FBSW	32-1"	6

Swivel Nut Union — Brass

Code	Dimension	Box A
SNP011612FBBSW	16-1/2”	40
SNP011634FBBSW	16-3/4”	30
SNP012012FBBSW	20-1/2”	40
SNP012034FBBSW	20-3/4”	30
SNP012534FBBSW	25-3/4”	20
SNP012634FBBSW	26-3/4”	20
SNP012501FBBSW	25-1”	15
SNP012601FBBSW	26-1”	15
SNP0132114FBBSW	32-1”1/4	10

Connection With Male Thread — PPSU

Code	Dimension	Box A
SNP011612MB	16-1/2”	30
SNP012012MB	20-1/2”	25
SNP012034MB	20-3/4”	20
SNP012534MB	25-3/4”	15
SNP012634MB	26-3/4”	15
SNP013201MB	32-1”	8

Connection With Female Thread — PPSU

Code	Dimension	Box A
SNP011612FB	16-1/2”	20
SNP012012FB	20-1/2”	15
SNP012034FB	20-3/4”	15
SNP012534FB	25-3/4”	10
SNP012634FB	26-3/4”	10

Connection With Male Thread — Brass

Code	Dimension	Box A
SNP011612MBB	16-1/2”	30
SNP012012MBB	20-1/2”	25
SNP0140114MBB	40-1”1/4	10
SNP0150112MBB	50-1”1/2	6
SNP016302MBB	63-2”	2

Connection With Female Thread — Brass

Code	Dimension	Box A
SNP011612FBB	16-1/2”	30
SNP012012FBB	20-1/2”	25
SNP013201FBB	32-1”	10
SNP0140114FBB	40-1”1/4	6
SNP0150112FBB	50-1”1/2	4

Elbow — PPSU

Code	Dimension	Box A
SNP021616	16-16	25
SNP022020	20-20	18
SNP022525	25-25	8
SNP022626	26-26	8
SNP023232	32-32	5

Elbow Brass

Code	Dimension	Box A
SNP024040BB	40-40	3
SNP025050BB	50-50	2
SNP026363BB	63-63	1

Elbow With Female Thread PPSU

Code	Dimension	Box A
SNP021612FB	16-1/2”	20
SNP022012FB	20-1/2”	20
SNP022034FB	20-3/4”	10
SNP022534FB	25-3/4”	8
SNP022634FB	26-3/4”	8

Elbow With Male Thread PPSU

Code	Dimension	Box A
SNP021612MB	16-1/2”	20
SNP022012MB	20-1/2”	20
SNP022534MB	25-3/4”	10
SNP022634MB	26-3/4”	10

Elbow With Female Thread Brass

Code	Dimension	Box A
SNP023201FBB	32-1”	6
SNP0240114FBB	40-1”1/4	5
SNP0250112FBB	50-1”1/2	3

Elbow With Male Thread Brass

Code	Dimension	Box A
SNP0240114MBB	40-1”1/4	6
SNP0250112MBB	50-1”1/2	3
SNP026302MBB	63-2”	1

Coupling Copper Adapter PPSU

Code	Dimension	Box A
SNP0116CU15	16-Cu15	25
SNP0116CU18	16-Cu18	25
SNP0120CU22	20-Cu22	20

Elbow With Swivel Female Thread — PPSU

Code	Dimension	Box A
SNP021612FBSW	16-1/2”	15
SNP022034FBSW	20-3/4”	12
SNP022501FBSW	25-1”	7
SNP022601FBSW	26-1”	7

Wall Plate Elbow — PPSU

Code	Dimension	Box A
SNP021612FBWP	16-1/2”	15
SNP022012FBWP	20-1/2”	12
SNP022534FBBWP	25-3/4”	10
SNP022634FBBWP	26-3/4”	10

Double U Female Elbow — Brass

Code	Dimension	Box A
SNP021616DB	16-1/2”-16	3
SNP022020DB	20-1/2”-20	3

Tee — PPSU

Code	Dimension	Box A
SNP03161616	16-16-16	12
SNP03202020	20-20-20	8
SNP03252525	25-25-25	5
SNP03262626	26-26-26	5
SNP03323232	32-32-32	3

Tee — Brass

Code	Dimension	Box A
SNP03404040BB	40-40-40	2
SNP03505050BB	50-50-50	1
SNP03636363BB	63-63-63	1

Tee With Swivel Female Thread — PPSU

Code	Dimension	Box A
SNP03161216FBSW	16-1/2”-16	10
SNP03163416FBSW	16-3/4”-16	10
SNP03201220FBSW	20-1/2”-20	7
SNP03203420FBSW	20-3/4”-20	7
SNP03251225FBSW	25-1/2”-25	5
SNP03253425FBSW	25-3/4”-25	5
SNP03250125FBSW	25-1”-25	4
SNP03261226FBSW	26-1/2”-26	5
SNP03263426FBSW	26-3/4”-26	5
SNP03260126FBSW	26-1”-26	4

Tee Reducer PPSU

Code	Dimension	Box A
SNP03162016	16-20-16	12
SNP03201616	20-16-16	12
SNP03201620	20-16-20	10
SNP03202016	20-20-16	10
SNP03251625	25-16-25	8
SNP03252020	25-20-20	6
SNP03252025	25-20-25	6
SNP03252520	25-25-20	6
SNP03322525	32-25-25	4
SNP03261626	26-16-26	8
SNP03262020	26-20-20	6
SNP03262026	26-20-26	6
SNP03262620	26-26-20	6
SNP03322626	32-26-26	4

Tee Reducer Brass

Code	Dimension	Box A
SNP03402532BB	40-25-32	3
SNP03402632BB	40-26-32	3
SNP03402540BB	40-25-40	3
SNP03402640BB	40-26-40	3
SNP03403232BB	40-32-32	3
SNP03403240BB	40-32-40	3
SNP03502550BB	50-25-50	2
SNP03502650BB	50-26-50	2
SNP03503250BB	50-32-50	2
SNP03504050BB	50-40-50	2
SNP03634063BB	63-40-63	1
SNP03635063BB	63-50-63	1

Tee Reducer Brass

Code	Dimension	Box A
SNP03202516BB	20-25-16	6
SNP03202520BB	20-25-20	6
SNP03251616BB	25-16-16	6
SNP03251620BB	25-16-20	6
SNP03252016BB	25-20-16	6
SNP03252516BB	25-25-16	6
SNP03202616BB	20-26-16	6
SNP03202620BB	20-26-20	6
SNP03261616BB	26-16-16	6
SNP03261620BB	26-16-20	6
SNP03262016BB	26-20-16	6
SNP03262616BB	26-26-16	6
SNP03321632BB	32-16-32	6
SNP03322025BB	32-20-25	6
SNP03322026BB	32-20-26	6
SNP03322032BB	32-20-32	6
SNP03322520BB	32-25-20	6
SNP03322620BB	32-26-20	6

Tee With Female Thread PPSU

Code	Dimension	Box A
SNP03161216FB	16-1/2"-16	15
SNP03201220FB	20-1/2"-20	10

Tee With Female Thread Brass

Code	Dimension	Box A
SNP03253425FBB	25-3/4"-25	5
SNP03263426FBB	26-3/4"-26	5
SNP03320132FBB	32-1"-32	5
SNP034011440FBB	40-1"1/4-40	3
SNP035011250FBB	50-1"1/2-50	2
SNP03630363FBB	63-1"-63	1

Adjustable Manifold, Wall Or Ceiling — PPSU

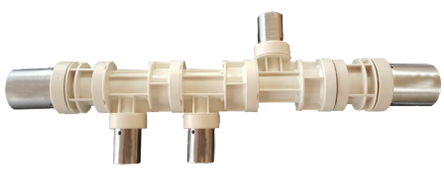
Old Code	New Code	Dimension	Box A
SNP7C201616	**SNP7C017**	20/16-16	1
SNP7C20161616	**SNP7C014**	20/16-16-16	1
SNP7C20201616	**SNP7C016**	20/20-16-16	1
SNP7C2016161616	**SNP7C018**	20/16-16-16-16	1
SNP7C2020161616	**SNP7C015**	20/20-16-16-16	1
SNP7C202016161616	**SNP7C022**	20/20-16-16-16-16	1
SNP7C251616	**SNP7C001**	25/16-16	1
SNP7C25161616	**SNP7C002**	25/16-16-16	1
SNP7C25201616	**SNP7C005**	25/20-16-16	1
SNP7C2516161616	**SNP7C003**	25/16-16-16-16	1
SNP7C2520161616	**SNP7C006**	25/20-16-16-16	1
SNP7C252016161616	**SNP7C007**	25/20-16-16-16-16	1
SNP7C261616	**SNP7C027**	26/16-16	1
SNP7C26161616	**SNP7C028**	26/16-16-16	1
SNP7C26201616	**SNP7C029**	26/20-16-16	1
SNP7C2616161616	**SNP7C030**	26/16-16-16-16	1
SNP7C2620161616	**SNP7C025**	26/20-16-16-16	1
SNP7C262016161616	**SNP7C026**	26/20-16-16-16-16	1

Female Adjustable Manifold, Wall Or Ceiling — PPSU

Old Code	New Code	Dimension	Box A
SNP7CF341616	**SNP7CF01**	3/4"/16-16	1
SNP7CF34161616	**SNP7CF02**	3/4"/16-16-16	1
SNP7CF34201616	**SNP7CF04**	3/4"/20-16-16	1
SNP7CF3416161616	**SNP7CF03**	3/4"/16-16-16-16	1
SNP7CF3420161616	**SNP7CF05**	3/4"/20-16-16-16	1
SNP7CF342016161616	**SNP7CF06**	3/4"/20-16-16-16-16	1
SNP7CF121616	**SNP7CF09**	1/2"/16-16	1
SNP7CF12161616	**SNP7CF10**	1/2"/16-16-16	1
SNP7CF12201616	**SNP7CF11**	1/2"/20-16-16	1
SNP7CF1216161616	**SNP7CF12**	1/2"/16-16-16-16	1
SNP7CF1220161616	**SNP7CF13**	1/2"/20-16-16-16	1
SNP7CF122016161616	**SNP7CF14**	1/2"/20-16-16-16-16	1

PRESS manifolds and distributors are modular. They are supplied in any possible combination you need. With pipe inlet, male / female / Teehread. Ask for your combination.

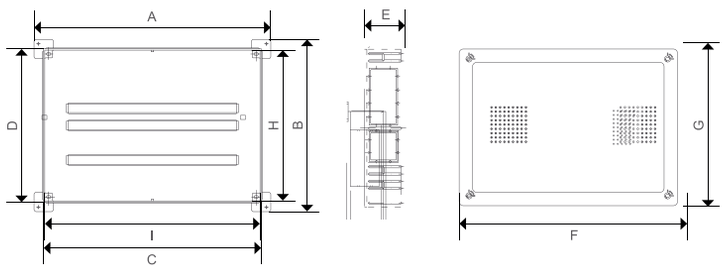
Adjustable Distributor, Wall Or Ceiling PPSU



New Code	Dimension	Box A
SNP7D001	20/16-16/20	1
SNP7D002	20/20-16/20	1
SNP7D003	20/16-16-16/20	1
SNP7D004	20/20-16-16/20	1
SNP7D005	20/16-16-16-16/20	1
SNP7D006	20/20-16-16-16/20	1
SNP7D007	20/16-16-16-16-16/20	1
SNP7D008	20/20-16-16-16-16/20	1
SNP7D009	25/16-16/20	1
SNP7D010	25/20-16/20	1
SNP7D011	25/16-16-16/20	1
SNP7D012	25/20-16-16/20	1
SNP7D013	25/16-16-16-16/20	1
SNP7D014	25/20-16-16-16/20	1
SNP7D015	25/16-16-16-16-16/20	1
SNP7D016	25/20-16-16-16-16/20	1
SNP7D017	26/16-16/20	1
SNP7D018	26/20-16/20	1
SNP7D019	26/16-16-16/20	1
SNP7D020	26/20-16-16/20	1
SNP7D021	26/16-16-16-16/20	1
SNP7D022	26/20-16-16-16/20	1
SNP7D023	26/16-16-16-16-16/20	1
SNP7D024	26/20-16-16-16-16/20	1

L PRESS manifolds and distributors are modular. They are available in any possible combination you need. With pipe inlet, male / female / Teehread. Ask for your combination.

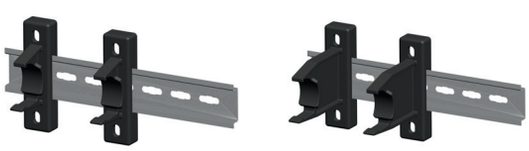
Plastic Manifold Box



	350 x 350 x 90 (1) 350 x 500 x 90 (2)
A	400
B	400
C	360
D	360
E	90
F	380
G	380
H	350
I	350 (1) - 500(2)

Code	Dimension	Box A
SN7PCB1	350-350	1
SN7PCB2	350-500	1

Kit Manifold Bracket

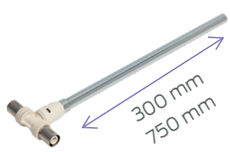


Code	Dimension	Box A
SN7SCS	Simple	1
SN7SCD	Doble	1

The double manifold support kit includes a metal plate and support kit for two manifolds at two heights.

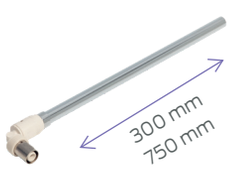
The simple manifold support kit includes metal plate and support kit for one manifold.

Radiator Connection Tee PPSU



Code	Dimension	Box A
SNP03161516300CU	16 Cu15 16 - 300	1
SNP03201520300CU	20 Cu15 20 - 300	1
SNP03201516300CU	20 Cu15 16 - 300	1
SNP03251525300CU	25 Cu15 25 - 300	1
SNP03261526300CU	26 Cu15 26 - 300	1
SNP03161516750CU	16 Cu15 16 - 750	1
SNP03201520750CU	20 Cu15 20 - 750	1
SNP03201516750CU	20 Cu15 16 - 750	1
SNP03251525750CU	25 Cu15 25 - 750	1
SNP03261526750CU	26 Cu15 26 - 750	1

Radiator Connection Elbow PPSU



Code	Dimension	Box A
SNP021615300CU	16 Cu15 - 300	1
SNP021615750CU	16 Cu15 - 750	1

Termination Wall Set Without Case

Code	Dimension	Box A
SN07CP	16-1/2" & 20-1/2"	10

Built In Ball Brass Valve Brass

Code	Dimension	Box A
SNP0716VE	16-16	6
SNP0720VE	20-20	5
SNP0725VE	25-25	4
SNP0726VE	26-26	4
SNP0732VE	32-32	3

Valve Control

Code	Dimension	Box A
SN07MP	Knob / Chromed Knob	5
SN07MO	Hidden / Chromed Hidden	10
SN07MM	Handle / Chromed Lever	10
SN07ALAR	Extender	100

Double U Built-in Ball Brass Valve Brass

Code	Dimension	Box A
SNP0716VEU	16-16	5
SNP0720VEU	20-20	5
SNP0725VEU	25-25	3

Bevellers

Code	Dimension	Box A
SN07162025	16-20-25	1
SN07162026	16-20-26	1
SN0732	32	1
HGT1N	Mango para 40-50-63	1
REI40X3.5N	40	1
REI50X4N	50	1
REI63X4.5N	63	1

Surface Ball Steel Valve Brass Brass

Code	Dimension	Box A
SNP0716VS	16-16	6
SNP0720VS	20-20	5
SNP0725VS	25-25	4
SNP0726VS	26-26	4
SNP0732VS	32-32	3

Pipe Cutter Scissors

Code	Dimension	Box A
SN0716202532	16-20-25-26-32	1
SN0732405063	32-40-50-63	1

Plastic End Cap

Code	Dimension	Box A
PSE4616W	16	10
PSE4620W	20	5
UG4625B	25	5

Exraible Housing

*Elbow With Tee With
nale Threadhread not
included

Code	Dimension	Box A
SN07CE	16-1/2" & 20-1/2"	3

End Cap

Code	Dimension	Box A
F514	16	50
F518	20	40
F520	25	30

Fixing Plate

Code	Dimension	Box A
SN07PF	Aluminio	50

Manual Press Fitting Tool

Code	Dimension	Box A
SN07IWS1632A	16-20-25-32	1
SN07IWS1625A	16-20-25	1

Compuesta por :
· Manual Pressing Machine.
· Juego de Insertos Type U.
· Maletín.

Fixing Plate in U

Code	Dimension	Box A
SN07PF2	Aluminio	1

Hydraulic Pressing Tool

Code	Dimension	Box A
UAP332CL	Tool 40-50-63	1

Includes:
- Pressing machine ø 40 – ø 50 y ø 63 mm.
- Lithium battery (2 units).
- Battery charger.
- Carrying case .

Press head

Code	Dimension	Box A
QC405063U	40-50-63	1

Includes :
- Three-segment chain head ø 40 – ø 50 y ø 63 mm. Tools 40-
- 50-63.
- Carrying case.

Hydraulic Pressing Tool

Code	Dimension	Box A
MAP115WE4NU	16-20-25-32	1

Includes:
- Pressing machine ø 16 - ø 20 - ø 25 y ø 32 mm.
- Head / Clamp.
- Set of inserts ø 16, 20, 25 y 32 mm type U.
- Lithium battery (2 units).
- Battery charger.
- Carrying case .

SharkBite® NEXUS

- Available in ø 16, ø 20, ø 25 and ø 32 mm
- Compatible with PEX, PERT and MULTICAPA pipes with aluminium
- SharkBite NEXUS is a Push Fit quick connect system.
- PPSU range (Polyphenylsulphone)
- BRASS Range

- **Time saving :** With SharkBite NEXUS you can save up to 70% of installation time.
- **Stock saving :** It allows us to save up to 50 % of fittings as it is compatible with PEX, PERT and MULTICAPA depending on the application.
- **Minimum volume :** It is designed with the minimum volume with respect to the pipe, which allows us to embed the installation in both classic partition walls (bricks) and modern ones (plasterboard or synthetic materials).
- **Pressure and temperature resistance :** The working temperature can be raised to 95° C, with a pressure of 10 bar. pressure of 10 bar.
- **Corrosion resistance :** The smooth surface of the pipe prevents sedimentation from adhering to the walls during the life of the system. walls during the life of the system.
- **Low weight :** It is light in weight, which speeds up installation and saves time and money in transportation.
- **Long life :** If the system is used according to technical specifications in pressures and temperatures, the whole system is built to last for a long life. system is built to last at least 50 years.
- **No noise :** The PPSU material avoids the noises produced by the water circulation, due to its low roughness coefficient, damping between 2 and 3 times the water hammer, compared to the traditional brass or copper systems.
- **Healthy :** Manufactured with materials approved for the transport of drinking water, providing no odour, taste or toxicity.

Body	PPSU (Polyphenylsulphone) o Brass CW617N
Body	EPDM Peroxide 70
Bushing Holder	PPSU (Polyphenylsulphone)
Bushing	POM
Sealing gasket	PPSU (Polyphenylsulphone)
Range	ø 16 - ø 20 - ø 25 - ø 32 mm

AENOR PLASTIC PIPING SYSTEMS
001/6678
ISO15875
Application class
Design pressure (bar)
1/6;2/6;4/8;5/6

AENOR PLASTIC PIPING SYSTEMS
001/7526
ISO21003
Application class
Design pressure (bar)
1/6;2/6;4/6;5/6

YouTube

https://www.youtube.com/channel/UCxgatoiLVygrIsaye83KX8A/playlists?view=50&sort=dd&shelf_id=4

SharkBite NEXUS Pipe Compatibility

	SharkBite NEXUS
SharkBite Multilayer	√
SharkBite PEXa	√
SharkBite PEXa UV Black	√
SharkBite PEXa EVOH	X
SharkBite PERT EVOH	X

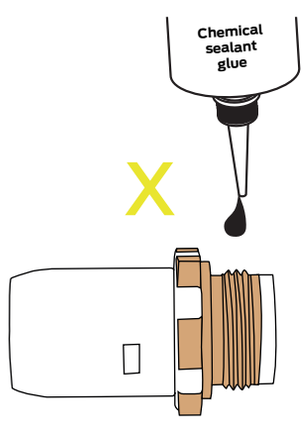
	SharkBite NEXUS
Ø16x1.5	X
Ø16x1.8	√
Ø16x2.0	√
Ø16x2.2	X
Ø20x1.9	√
Ø20x2.0	√
Ø20x2.8	X
Ø25x2.3	√
Ø25x2.5	√
Ø25x3.5	X
Ø26x3.0	X
Ø32x2.9	√
Ø32x3.0	√
Ø32x4.4	X

Caution with the use of chemical thread sealants, thread strippers and/or PVC glues.

Anaerobic sealants used for metal threads cause stress cracks and breaks in contact with thermoplastic materials. Regardless of whether the threads of the fittings are metallic, indirect or accidental contact with PPSU plastic parts can cause breakage or cracking. SharkBite NEXUS fittings (PPSU and PPSU with metal insert) should be fitted with thread, PTFE tape, Silicone Tape or hemp / tow. **See compatibility table in the technical manual.**

PTFE tape thicknesses shall meet the following requirements:

- 0.075 mm to 0.100 mm for ½˝ threads.
- 0.100 mm to 0.200 mm for ¾˝ and 1˝ threads.
- The PTFE tape shall be 100 % PTFE according to EN 571 - 3 FRp.
- Leave the first thread free to facilitate joining.

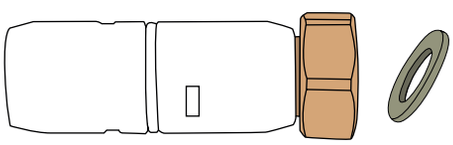


The tightening torque or maximum torque for thread tightening is as follows:

- For ½˝ threads it is 40 Nm (Newton metre)
- For ¾˝ threads it is 60 Nm (Newton metre)
- For 1˝ threads it is 70 Nm (Newton metre)

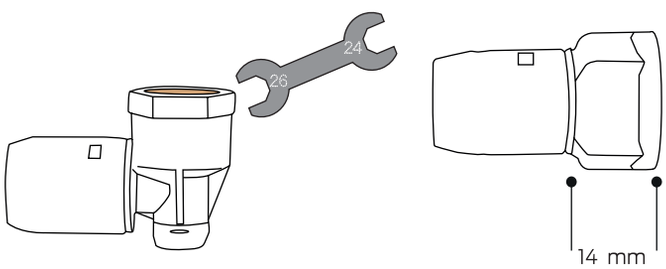
SharkBite NEXUS (PPSU) fittings with a movable thread (fitting, elbow or movable tee), it must be ensured that the flat gasket is fitted in the socket without the use of any other sealant:

- Tighten by hand and finish tightening with the appropriate spanner to a maximum of ¼ turn.



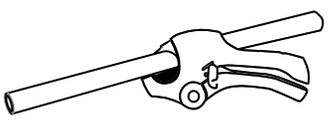
The use of SharkBite NEXUS (PPSU) Tee With Female Threadhreaded fittings should adhere to the following recommendations:

-
- Do not use male threads deeper than 14 mm.
  Use the open-end spanner according to the thread size to fix the Tee With Female Threadhread and another spanner to insert the male thread.

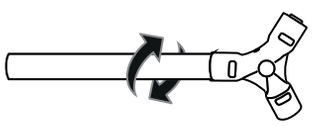


Assembly Instructions

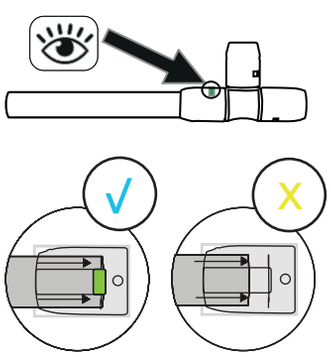
1. Cut the tube perpendicularly at 90˚.



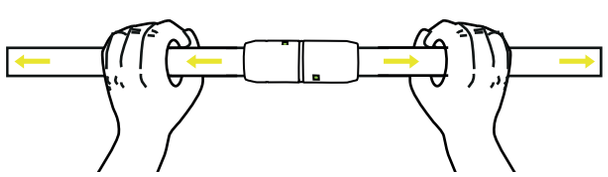
2. Calibrate and chamfer the end of the tube.



3. Insert the end of the bevelled tube into the Nexus fitting. The GREEN visual safety indicator will indicate that the joint is correct and secure.

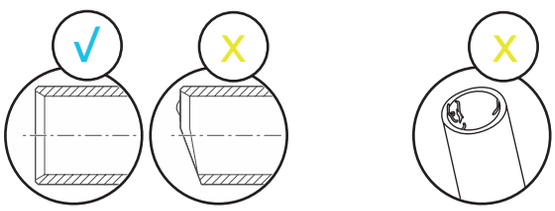


4. Check that the tube is attached to the SharkBite Nexus fitting by pulling in the opposite direction to the fitting to ensure that the clamp is anchored on the tube.

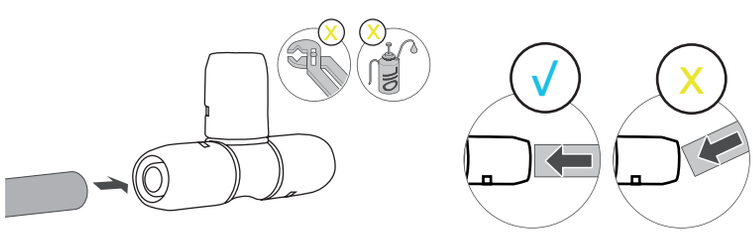


For correct use of SharkBite NEXUS accessories the instructions and recommendations below should be followed:

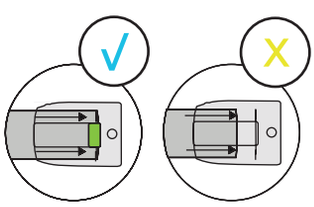
- Ensure that the tube is cut to 90˚ and that no material remains in the tube.



- Do not use any tools or lubricants to insert the tube into the SharkBite Nexus fitting.
- Insert the tube straight into the fitting.



- Check that the tube is correctly installed in the accessory by checking that the green indicator is visible through the control window.



Coupling PPSU

Code	Dimension	Box A
SN001616	16-16	30
SN002020	20-20	20
SN002525	25-25	12
SN003232	32-32	6

Sleeve Coupling Reducer PPSU

Code	Dimension	Box A
SN001620	20-16	20
SN001625	25-16	15
SN002025	25-20	15
SN001632BB	32-16	8
SN002032BB	32-20	8
SN002532	32-25	8

Swivel Nut Union PPSU

Code	Dimension	Box A
SN011612FBSW	16-1/2”	20
SN012012FBSW	20-1/2”	20
SN012034FBSW	20-3/4”	15
SN012534FBSW	25-3/4”	12
SN012501FBSW	25-1”	8
SN013201FBSW	32-1”	6

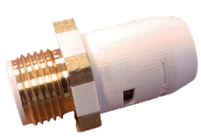
Connection With Female Thread PPSU

Code	Dimension	Box A
SN011612FB	16-1/2”	20
SN012012FB	20-1/2”	15
SN012034FB	20-3/4”	15
SN012534FB	25-3/4”	10

Connection With Female Thread Brass

Code	Dimension	Box A
SN011612FBB	16-1/2”	20
SN011638FBB	16-3/8”	20
SN012012FBB	20-1/2”	15

Connection With Male Thread PPSU



Code	Dimension	Box A
SN011612MB	16-1/2”	30
SN012012MB	20-1/2”	25
SN012034MB	20-3/4”	20
SN012534MB	25-3/4”	15
SN013201MB	32-1”	8

Elbow With Male Thread PPSU

Code	Dimension	Box A
SN021612MB	16-1/2”	20
SN022012MB	20-1/2”	20
SN022534MB	25-3/4”	10

Connection With Male Thread Brass

Code	Dimension	Box A
SN011612MBB	16-1/2”	30
SN011638MBB	16-3/8”	30
SN012012MBB	20-1/2”	25

Elbow PPSU

Code	Dimension	Box A
SN021616	16-16	25
SN022020	20-20	18
SN022525	25-25	8
SN023232	32-32	5

Elbow With Female Thread PPSU

Code	Dimension	Box A
SN021612FB	16-1/2”	20
SN022012FB	20-1/2”	20
SN022034FB	20-3/4”	10
SN022534FB	25-3/4”	8
SN023201FBB	32-1”	6

Elbow With Swivel Female Thread PPSU

Code	Dimension	Box A
SN021612FBSW	16-1/2”	15
SN022034FBSW	20-3/4”	12
SN022501FBSW	25-1”	7

Wall Plate Elbow PPSU

Code	Dimension	Box A
SN021612FBWP	16-1/2”	15
SN022012FBWP	20-1/2”	12
SN022534FBBWP	25-3/4”	10

Double U Elbow Female Thread Brass

Code	Dimension	Box A
SN021616DB	16-1/2”-16	4
SN022020DB	20-1/2”-20	4

Adapter Elbow — Brass

Code	Dimension	Box A
SN021616AD	16-16	25
SN022020AD	20-20	18
SN022525AD	25-25	8
SN023232AD	32-32	5

Adapter Reducer Brass Body — Brass

Code	Dimension	Box A
SN072516	25-16	25
SN072520	25-20	20
SN073220	32-20	15

Tube-Tube Adapter — Brass

Code	Dimension	Box A
SN071616	16-16	30
SN072020	20-20	20
SN072525	25-25	12
SN073232	32-32	6

Tee — PPSU

Code	Dimension	Box A
SN03161616	16-16-16	12
SN03202020	20-20-20	8
SN03252525	25-25-25	5
SN03323232	32-32-32	3

Tee Reducer — PPSU

Code	Dimension	Box A
SN03162016	16-20-16	12
SN03201616	20-16-16	12
SN03201620	20-16-20	10
SN03202016	20-20-16	10
SN03251625	25-16-25	8
SN03252020	25-20-20	6
SN03252025	25-20-25	6
SN03252520	25-25-20	6
SN03322525	32-25-25	4

Tee With Female Thread — PPSU

Code	Dimension	Box A
SN03161216FB	16-1/2"-16	15
SN03201220FB	20-1/2"-20	10

Tee With Swivel Female Thread PPSU

Code	Dimension	Box A
SN03161216FBSW	16-1/2"-16	10
SN03163416FBSW	16-3/4"-16	10
SN03201220FBSW	20-1/2"-20	7
SN03203420FBSW	20-3/4"-20	7
SN03251225FBSW	25-1/2"-25	5
SN03253425FBSW	25-3/4"-25	5
SN03250125FBSW	25-1"-25	4

Tee Reducer Brass

Code	Dimension	Box A
SN03202516BB	20-25-16	6
SN03202520BB	20-25-20	6
SN03251616BB	25-16-16	6
SN03251620BB	25-16-20	6
SN03252016BB	25-20-16	6
SN03252516BB	25-25-16	6
SNP03321632BB	32-16-32	6
SNP03322025BB	32-20-25	4
SNP03322032BB	32-20-32	6
SNP03322520BB	32-25-20	6

Adjustable Manifold, Wall Or Ceiling PPSU

Old Code	New Code	Dimension	Box A
SN7C251616	SN7C003	25/16-16	1
SN7C25161616	SN7C004	25/16-16-16	1
SN7C25201616	SN7C008	25/20-16-16	1
SN7C2516161616	SN7C005	25/16-16-16-16	1
SN7C2520161616	SN7C009	25/20-16-16-16	1
SN7C252016161616	SN7C010	25/20-16-16-16-16	1
SN7C2520202020	SN7C014	25/20-20-20-20	1
SN7C25202020	SN7C013	25/20-20-20	1
SN7C252020	SN7C011	25/20-20	1
SN7C201616	SN7C038	20/16-16	1
SN7C20161616	SN7C021	20/16-16-16	1
SN7C20201616	SN7C034	20/20-16-16	1
SN7C2016161616	SN7C022	20/16-16-16-16	1
SN7C2020161616	SN7C033	20/20-16-16-16	1
SN7C202016161616	SN7C035	20/20-16-16-16-16	1

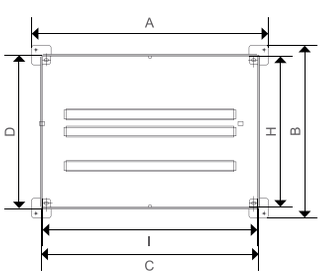
NEXUS Manifolds and distributors are modular. They are available in any possible combination you need. With pipe inlet, male / female / mobile thread. Ask for your combination.

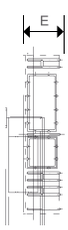
Adjustable Distributor, Wall Or Ceiling PPSU

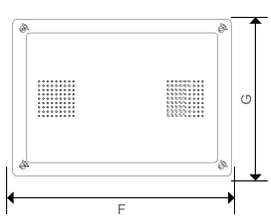
Code	Dimension	Box A
SN7D010	20/16-16/20	1
SN7D021	20/20-16/20	1
SN7D011	20/16-16-16/20	1
SN7D012	20/20-16-16/20	1
SN7D001	20/16-16-16-16/20	1
SN7D013	20/20-16-16-16/20	1
SN7D022	20/16-16-16-16-16/20	1
SN7D014	20/20-16-16-16-16/20	1
SN7D015	25/16-16/20	1
SN7D023	25/20-16/20	1
SN7D016	25/16-16-16/20	1
SN7D017	25/20-16-16/20	1
SN7D018	25/16-16-16-16/20	1
SN7D019	25/20-16-16-16/20	1
SN7D024	25/16-16-16-16-16/20	1
SN7D020	25/20-16-16-16-16/20	1

NEXUS Manifolds and distributors are modular. They are supplied in any possible combination you need. With pipe inlet, male / female / mobile thread. Ask for your combination.

Plastic Manifold Box







Code	Dimension	Box A
SN7PCB1	350-350	1
SN7PCB2	350-500	1

	350 x 350 x 90 (1) 350 x 500 x 90 (2)
A	400
B	400
C	360
D	360
E	90
F	380
G	380
H	350
I	350 (1) - 500(2)

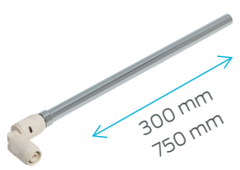
Kit Manifold Bracket

Code	Dimension	Box A
SN7SCS	Simple	1
SN7SCD	Doble	1

The double collector support kit includes metal plate and support kit for two collectors at two heights.

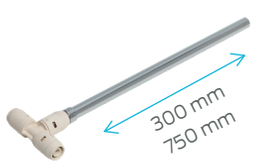
The single collector support kit includes metal plate and support kit for one collector.

Radiator Connection Elbow PPSU



Code	Dimension	Box A
SN021615300CU	16 Cu15 - 300	1
SN021615750CU	16 Cu15 - 750	1

Radiator Connection Tee PPSU



Code	Dimension	Box A
SN03161516300CU	16 Cu15 16 - 300	1
SN03201520300CU	20 Cu15 20 - 300	1
SN03201516300CU	20 Cu15 16 - 300	1
SN03251525300CU	25 Cu15 25 - 300	1
SN03161516750CU	16 Cu15 16 - 750	1
SN03201520750CU	20 Cu15 20 - 750	1
SN03201516750CU	20 Cu15 16 - 750	1
SN03251525750CU	25 Cu15 25 - 750	1

Built In Ball Brass Valve Brass

Code	Dimension	Box A
SN0716VE	16-16	6
SN0720VE	20-20	5
SN0725VE	25-25	4
SN0732VE	32-32	3

Double U Built In Ball Brass Valve Brass

Code	Dimension	Box A
SN0716VEU	16-16	5
SN0720VEU	20-20	5
SN0725VEU	25-25	3

Surface Ball Steel Valve Brass

Code	Dimension	Box A
SN0716VS	16-16	6
SN0720VS	20-20	5
SN0725VS	25-25	4
SN0732VS	32-32	3

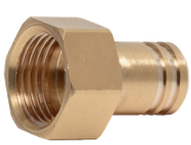
Valve Controls

Code	Dimension	Box A
SN07MP	Knob / Chromed Knob	5
SN07MO	Hidden / Chromed Hidden	10
SN07MM	Handle / Chromed Lever	10
SN07ALAR	Extender	100

Male Thread Adapter Brass

Code	Dimension	Box A
SN071612M	16-1/2”	30
SN071634M	16-3/4”	30
SN072012M	20-1/2”	30
SN072034M	20-3/4”	30
SN072534M	25-3/4”	30
SN072501M	25-1”	20
SN073201M	32-1”	20

Female Thread Adapter Brass



Code	Dimension	Box A
SN071612F	16-1/2”	30
SN071634F	16-3/4”	30
SN072012F	20-1/2”	30
SN072034F	20-3/4”	30
SN072534F	25-3/4”	25
SN072501F	25-1”	20
SN073201F	32-1”	15

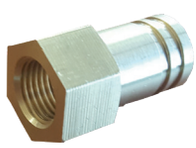
Swivel Female Thread Adapter Brass

Code	Dimension	Box A
SN071612SW	16-1/2”	30
SN072034SW	20-3/4”	30
SN072501SW	25-1”	20

Copper Welding Adapter Brass

Code	Dimension	Box A
SN0716C15	16-Cu15	30
SN0716C18	16-Cu18	30
SN0720C22	20-Cu22	30

Monometer/termometer Adapter Brass



Code	Dimension	Box A
SN071614MT	16-1/4”	30

Bevellers

Code	Dimension	Box A
SN07162025	16-20-25	1
SN0732	32	1

Fixing Plate

Code	Dimension	Box A
SN07PF	Aluminio	50

Fixing Plate in "U"

Code	Dimension	Box A
SN07PF2	Aluminio	1

Termination Wall Set Without Case

*Elbow With Tee With Female Threadhread not included

Code	Dimension	Box A
SN07CP	16-1/2" & 20-1/2"	10

Exraible Housing

*Elbow With Tee With emale Threadhread not included

Code	Dimension	Box A
SN07CE	16-1/2" & 20-1/2"	3

Plastic End Cap

Code	Dimension	Box A
PSE4616W	16	10
PSE4620W	20	5
UG4625B	25	5

End Cap

Code	Dimension	Box A
F514	16	50
F518	20	40
F520	25	30

Pipe Cutter Scissors

Code	Dimension	Box A
SN0716202532	16-20-25-26-32	1
SN0732405063	32-40-50-63	1

SharkBite® FLOOR

THE SMARTEST HEATING

The SharkBite Floor underfloor heating and cooling system adapts to the needs of your project, both in new buildings as well as in refurbishments and extensions.

Its range of components and control system makes it the ideal solution for a simple, energy-efficient and aesthetic execution.

Our experts are at your disposal to provide you with all the support you need, before, during and after installation.

· **Safety :** RWC started in the Plumbing and Heating market in 1949. With the security and solvency of our multinational parent company Reliance Worldwide Corporation (Aus) Pty Ltd, world leaders in the plumbing and heating industry, RWC has been in business since 1949.

· **Reliability:** RWC stands for constant reliability. When you buy RWC products you become a customer for life. We offer a proven guarantee on the quality, performance and reliability of our products.

· **Innovation:** RWC has been and will always remain at the forefront of innovation in plumbing and heating systems. With an impressive track record. We owe this to our customers. RWC listens to its customers, identifies their needs, and then develops products that meet those needs.

· **Simplicity:** RWC uses state-of-the-art technology to design and create products. Our goal is to aim for ease of installation and to minimise maintenance. A high quality product that is easy to install, to satisfy customers and reduce installation times. We manufacture with the aim of making the installer's job easier and faster, with a positive effect on cost reduction.

· **Quality:** Every RWC product is manufactured to the highest quality standards, using pioneering techniques and only the highest quality materials. Our reputation is built on quality and high performance. Knowing this, our customers appreciate the convenience of being able to turn to a single supplier for a truly comprehensive range of ultra-reliable plumbing and heating products. RWC is an accredited manufacturer to the following international standards.

REASONS TO INSTALL SharkBite Floor

Improved technical comfort. Like the sun, SharkBite Floor uses radiant heat to warm the floor of the room, creating a cosy and comfortable atmosphere.

Increased usable space. As there are no visible emitting elements, the usable space is increased compared to other air-conditioning systems by between 3% and 5%.

Reducción del consumo. Diseñado para trabajar a baja temperatura, el sistema de climatización SharkBite Floor reduce el consumo energético hasta un 20 % respecto a otros sistemas de climatización.

Reduced noise. Creates a relaxed and quiet environment, without noise from pipes or air flow. The insulating board and cement mortar together behave like a floating floor, and can help to comply with the requirements of the DB-HR of the CTE.

Greater heating control. Create the perfect comfort zone with individual or multiple room temperature control. Simple, standard and intelligent solutions.

A more hygienic and healthier environment. The temperature differences between the air and the floor surfaces will be reduced, and the effect of the air convention will not be perceived, and there will be no discomfort for the user and no movement of dust.

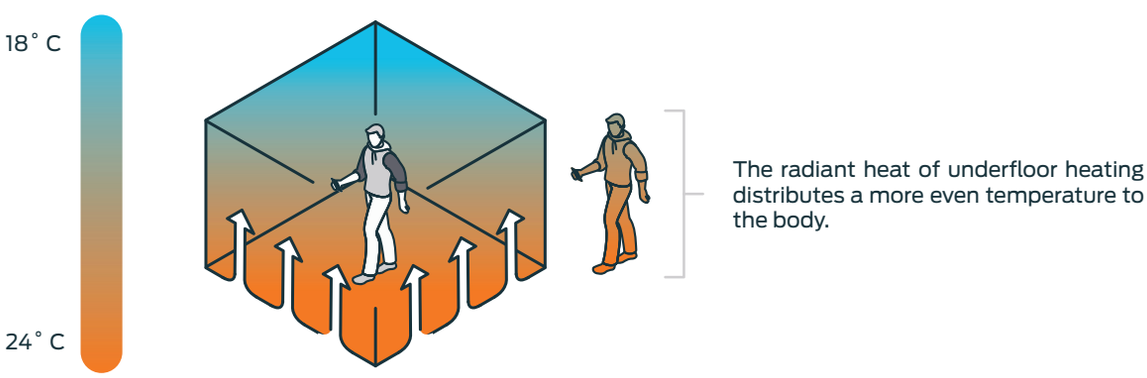
Renewable heat source. Compatible with conventional and renewable heat sources that reduce environmental impact, including heat pumps and solar panel systems.

Universal control. Enable multi-zone heating throughout the home by combining SharkBite Floor with AIRZONE.

SharkBite FLOOR

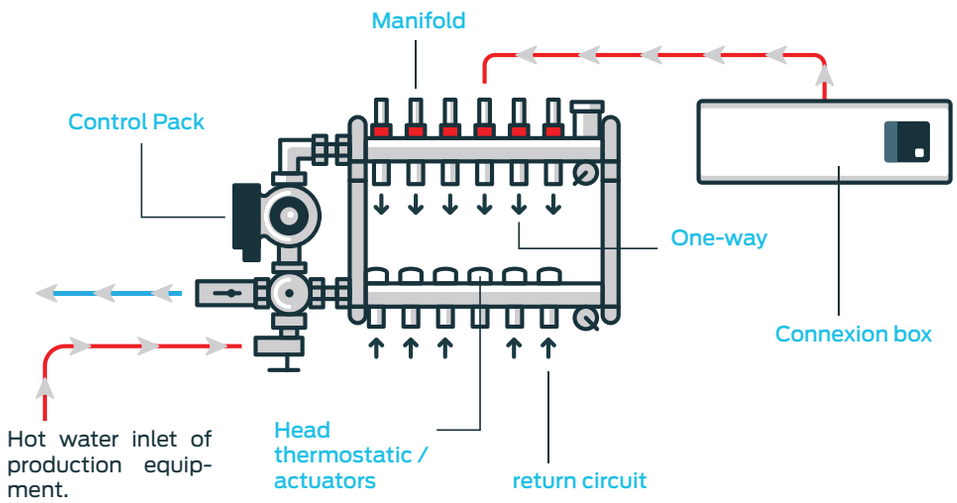
50% of the energy exchange between humans and the environment is produced by radiation. In order to achieve a greater influence of the air conditioning system on comfort conditions, radiant air conditioning must be used. In order to achieve a uniform energy exchange between the system and the users, it is necessary to have a large radiant surface available, this being the floor of the building, rather than very localised points of energy emission. This is the case with radiators and air conditioners, which transfer energy by convention, generating an inhomogeneous distribution of energy.

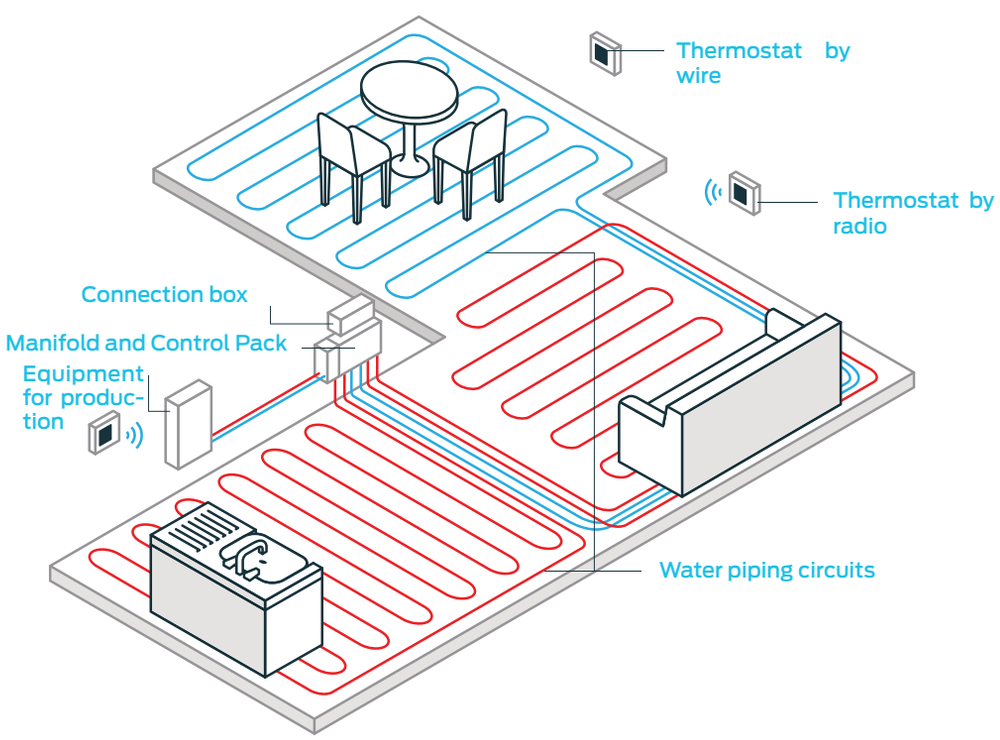
Air conditioning systems by convention, by influencing the air temperature instead of the radiant surface to reach the comfort temperature, require a greater energy input, as the air has a lower density and greater volume. The energy exchange by radiation depends on the fourth power of the absolute temperatures of the bodies. Increasing or decreasing the temperature of the radiant surface by one degree means a multiplying factor that is not reached if we vary the air temperature by one degree.



SharkBite Floor controls the temperature in each room using intelligent thermostats via cable or radio connection.

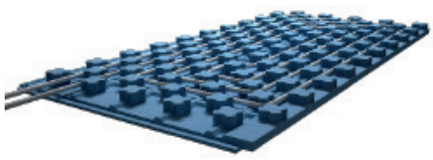
The control unit controls the manifold, opening or closing the actuators and circulating the water at the temperature required for each circuit. The collector control pack, consisting of a thermostatic mixing valve and pump, fulfils a dual function: regulation of the inlet temperature and movement of the flow rate required by the system, making it compatible with any source of energy from the combustion of oil derivatives or natural gas or renewable energy, such as biomass, solar, aerothermal or geothermal.





Key Components

All SharkBite Floor systems are supplied to the highest standards of quality and reliability.



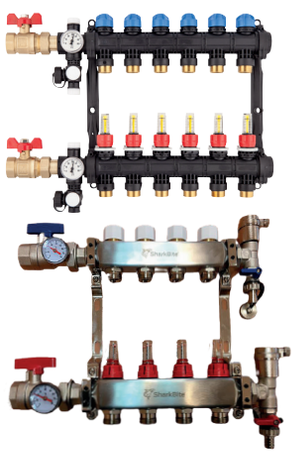
Plasticized Base Plate Fixing. No matter what type of floor or space you are working with, we have a low-profile base plate low profile base plate (ideal for renovations or low height) and a normal profile base plate for new construction. Our base plate is suitable for PEX, PERT, PB or MULTICAPA pipes in ø ø 16, ø 17, ø 18 and ø 20. Manufactured in 40 Kg density, it complies with the UNE EN 1264 standard.

Thermostatic/Head Actuator
SharkBite Floor Actuators are fast responding. Compact design allows for easy installation. With status window (red / green). Compatible with M30 thread and IP42 protection.

SharkBite PEXa EVOH pipes and SharkBite PERT EVOH with 3 or 5 layers
The widest range of tubing made of PEXa EVOH or PERT EVOH with 3 or 5-layer oxygen barrier protection. The flexibility of SharkBite tubing will allow you to make tight angle bends easily and feasibly, even when working at low temperatures.

Control/Regulation
The exclusive and elegant Airzone thermostats allow the components of the radiant air-conditioning system to be controlled via cable or radio connection, with touch-sensitive and anti-regulation screens.

Manifold
Manufactured to the highest quality standards, our 1" stainless steel and polyamide manifolds are available in a range from 2 to 12 outlets. They are supplied pre-assembled with ¾" Euroconus outlet, shut-off valves, bleeders, fill/drain cock, thermometers and Clamping kit.



Control Pack
With the function of mixing and controlling the water temperature, it is suitable for heating systems up to 14kW and connects directly to the manifold without the need for additional brackets. The nickel-plated control package consists of a mixing valve, a Grundfos

Choosing the Right System

Depending on the type of work and application, there are many types and diversity of components in underfloor heating, but we can group the systems into three main groups:

Traditional system (new construction and residential sector).
Without height limitation, plasticised base plate can be installed without low profile and PEXa EVOH or PERT EVOH pipes of Ø16, Ø17, Ø18 and Ø20 mm.

Industrial and specific systems.
Installation of plates with compressive strength and installation of pipes providing higher flow and lower pressure drop, with Ø20 mm.

Renovation and refurbishment systems.
In these cases, due to height limitations, it is necessary to install low-profile plasticised plates, using Ø16 mm pipes in PEXa EVOH or PERT EVOH

The floor finishes have different thermal resistances, being recommended for radiant air-conditioning systems those of lower resistance.

Ceramics and granites.
Most ceramic and granite floor finishes have a low thermal resistance. The surface transmits temperature quickly and efficiently, making it the perfect finish for underfloor heating and cooling systems.

Vinyl and linoleum.
This material offers low heat resistance due to its thin layer. Vinyl and linoleum types are suitable for use with underfloor heating but the temperature must not exceed 29° C.

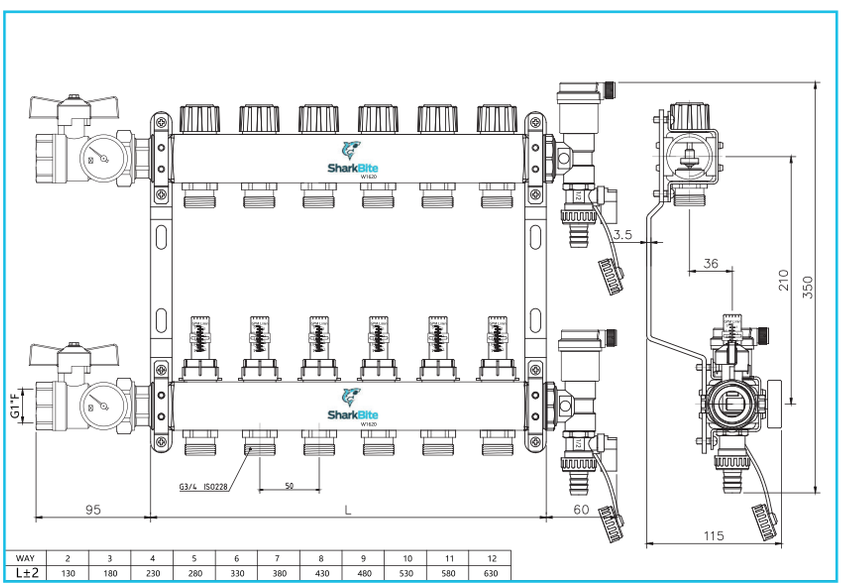
Timber.
Wood finishes perform well on underfloor heating, but are not suitable for installation on underfloor heating/cooling. The surface temperature should not exceed 29° C and the manufacturer's instructions should be followed.

Stainless Steel Manifolds for Underfloor Radiant Heating

They consist of two multiple bars, one for the flow and one for the return, with ball shut-off valves and thermometer, drain/fill tap and automatic air vent on the flow and return. On the flow bar, each circuit has an easy-to-read adjustable flow meter. Each circuit on the return is fitted with a protection cap and integral control valve which allows the user to adjust the water volume, or can be removed for the fitting of an electric head/actuator.

Characteristics:

- 1" stainless steel manifold.
- Supplied pre-mounted on mounting plates.
- Supply and return valves with thermometers.
- Thermostatically controlled - Flow meters.
- Automatic drain valves with fill and drain valve.
- 3/4" Euroconus type threaded outlets (connectors not included)



WAY	2	3	4	5	6	7	8	9	10	11	12
L±2	130	180	230	280	330	380	430	480	530	580	630

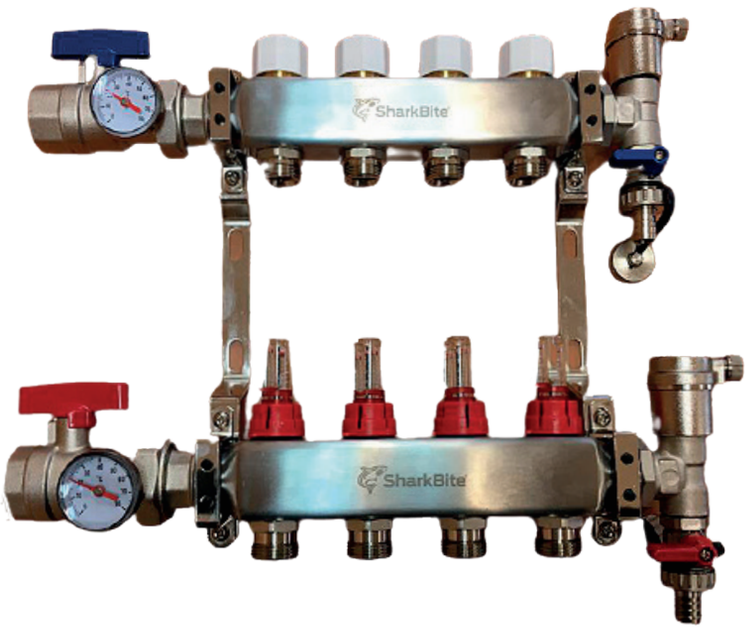
Materials

- Body : 304 Stainless Steel
- Joints : Fibre
- Fixing Bracket: Zinc plateado
- Valves 1" : Nickel-plated brass
- Deaerator Polyamide Pack / Tap Kit: Nickel-plated brass

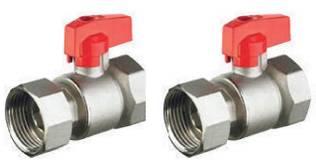
Specifications

- Maximum service pressure : 10 bar
- Maximum temperature : 90 °C
- Connections Manifold : 1"
- Connections Fittings : Euk 3/4

Code	Dimension	A	B	C	D	E
MANA02	2 Salidas	320 mm	210 mm	50 mm	276 mm	90 mm
MANA03	3 Salidas	320 mm	210 mm	50 mm	326 mm	90 mm
MANA04	4 Salidas	320 mm	210 mm	50 mm	376 mm	90 mm
MANA05	5 Salidas	320 mm	210 mm	50 mm	426 mm	90 mm
MANA06	6 Salidas	320 mm	210 mm	50 mm	476 mm	90 mm
MANA07	7 Salidas	320 mm	210 mm	50 mm	526 mm	90 mm
MANA08	8 Salidas	320 mm	210 mm	50 mm	576 mm	90 mm
MANA09	9 Salidas	320 mm	210 mm	50 mm	626 mm	90 mm
MANA10	10 Salidas	320 mm	210 mm	50 mm	676 mm	90 mm
MANA11	11 Salidas	320 mm	210 mm	50 mm	726 mm	90 mm
MANA12	12 Salidas	320 mm	210 mm	50 mm	776 mm	90 mm



Ball Shut-off Wrenches



*Unidad

Code	Description	Dimension
SKIT450001	Red	1”
SKIT450002	Blue	1”

Ball Shut-off Wrenches with Thermometers

*Set

Code	Description	Dimension
SKIT450013	Red/Blue	1”

Manifold Extension Kit

‹ Set Dimension

Code	Description	Dimension
MEKIT0172	Aluminium	1”

Control Pack

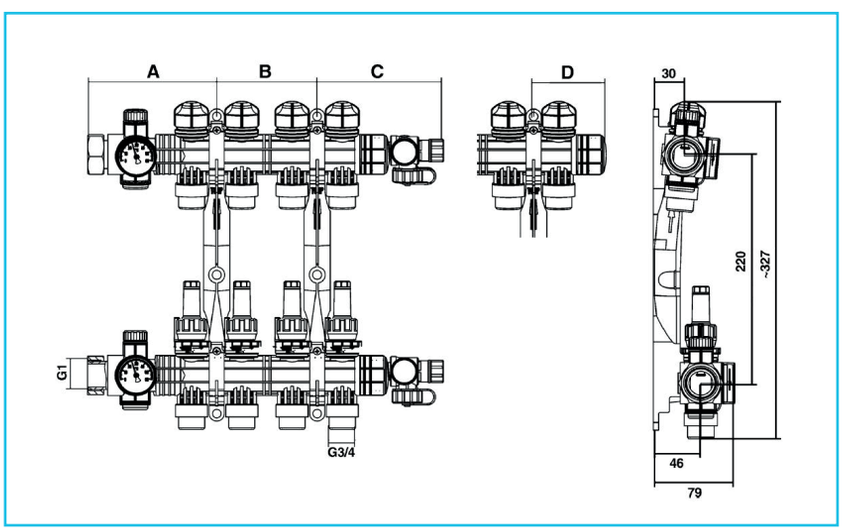
Code	Description	Dimension
UFHC970360	Mix Group	1”

Polyamide Manifolds

These consist of two multiple bars, one for the supply and one for the return, with ball shut-off valves and thermometer, drain/fill tap and manual bleeder on the supply and return. On the flow bar, each circuit has an easy-to-read adjustable flow meter. Each circuit on the return is fitted with a protection cap and integral control valve that allows the user to adjust the water volume, or can be removed for the fitting of an electric head/actuator.

Characteristics

- 1" polyamide manifold.
- Supply and return valves.
- Thermostatically controlled - Flow meters.
- Filling-emptying kit, manual drain and thermometer.
- 3/4" euroconus type threaded outlets (connectors not included).



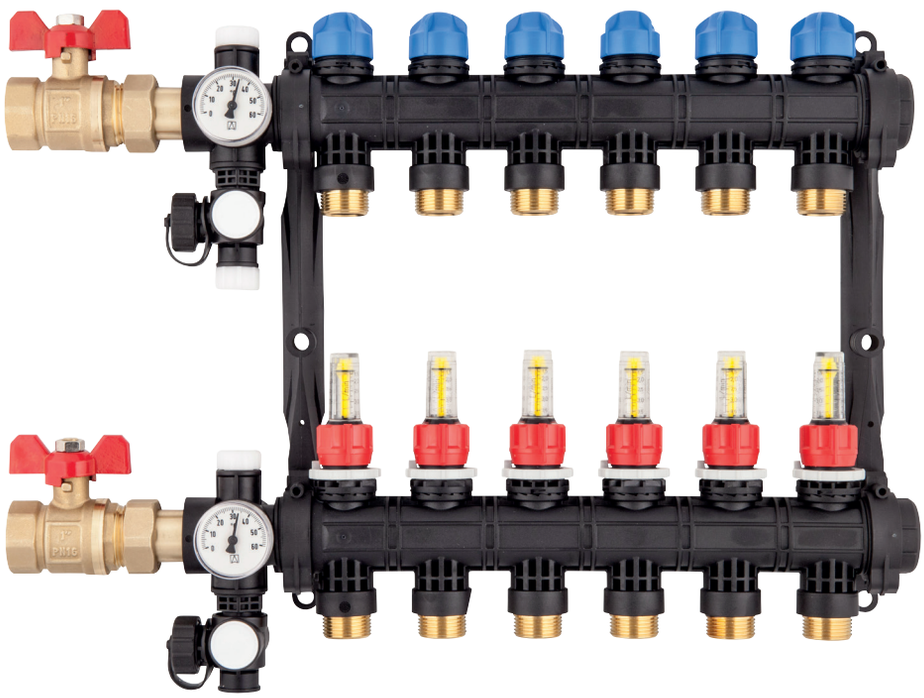
Materiales

- Body : Polyamide
- Joints : Fibre
- Fixing Bracket: Polyamide
- Valves 1" : Brass
- Deaerator Polyamide Pack / Tap Kit: Polyamide

Especificaciones

- Maximum service pressure : 6 bar
- Maximum temperature : 90 °C
- Connections Manifold : 1"
- Connections Fittings : Euk 3/4

Code	Dimension	A	B	C	D
80822RWC	2 Salidas	72 mm	100 mm	76 mm	23 mm
80823RWC	3 Salidas	129 mm	100 mm	76 mm	23 mm
80824RWC	4 Salidas	129 mm	100 mm	126 mm	73 mm
80825RWC	5 Salidas	129 mm	150 mm	126 mm	73 mm
80826RWC	6 Salidas	129 mm	200 mm	126 mm	73 mm
80827RWC	7 Salidas	179 mm	200 mm	126 mm	73 mm
80828RWC	8 Salidas	179 mm	200 mm	176 mm	123 mm
80829RWC	9 Salidas	179 mm	250 mm	176 mm	123 mm
80830RWC	10 Salidas	229 mm	250 mm	176 mm	123 mm
80831RWC	11 Salidas	229 mm	300 mm	176 mm	123 mm
80832RWC	12 Salidas	229 mm	300 mm	226 mm	173 mm



Ball Cutter Wrenches

*Set

Code	Description	Dimension
80835RWC	Red	1”

By Pass Polyamide Manifold

Code	Description	Dimension
80839RWC	Polyamide	1”

Deaerator Polyamide Pack

*Set

Code	Description	Dimension
80833RWC	Polyamide	1/2”

Polyamide Manifold Extension Kit

*Conjunto

Code	Description	Dimension
80871RWC	Polyamide	1”

Metal Box Collector

Code	Description	Dimension
SN7SFC1	2 a 4 Salidas	435 x 689
SN7SFC2	5 a 9 Salidas	680 x 689
SN7SFC3	10 a 12 Salidas	830 x 689
SN7SFC4	13 a 15 Salidas	1.035 x 689

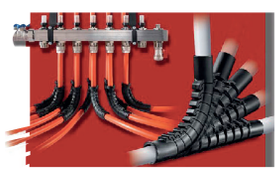
Curve-guide

Code	Description	Dimension
SN7SFG	PVC	ø 16
F840	PVC	ø 16
F842	PVC	ø 20

Perimetral Belt

Code	Description	Dimension
SN7BPRS	Sponge PE + Film LDPE	80 m

Orientable Curve Guide



Code	Description	Dimension
SN7CTFX16	PVC	ø 16
SN7CTFX20	PVC	ø 20

Adhesive Perimetral Belt

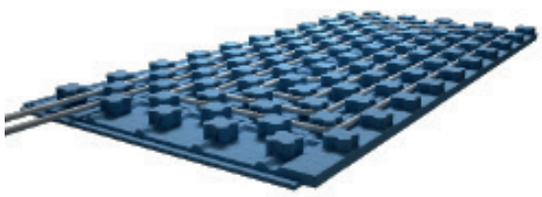
Code	Description	Dimension
SN7SFBA	Espuma PE + Film LDPE +Banda Adhesiva	50 m

Euroconus Connection Fittings

Compatible with PEX and Multilayer

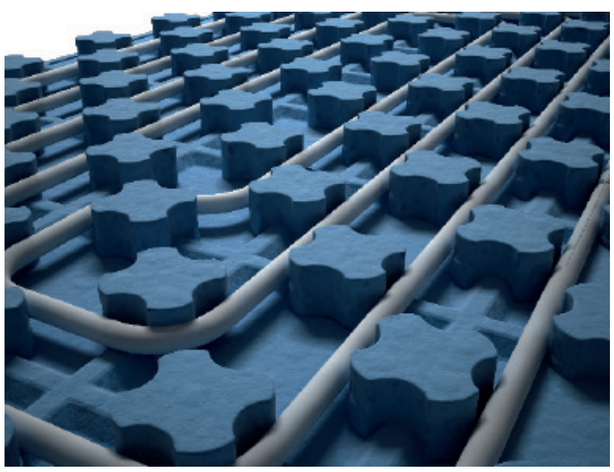
Code	Description	Dimension
MFIT100003	Brass	EUK 3/4"-16
MFIT100006	Brass	EUK 3/4"-20

Plasticised Base Plate



- Height : 44,5 mm
- Pipe passage : 65 mm
- Diameter pipe : ø16mm ø17mm ø20mm
- Density : 30kg
- m² / plate : 0,88 m²
- UNE-EN 1264

Code	Dimension	Dens.	Packaging
SN7FP340	1.310x670x44,5 mm	40 kg	12 x box



Fluidising additive (for mortar)

DOSAGE: Between 1 % and 1.5 % of the weight of the cement. It is recommended to add the additive to the mixing water or to the previously mixed concrete. In this case it is necessary to continue kneading to obtain a good distribution of the additive in the concrete mass for at least 1 minute more per m³ of concrete.

Code	Description	Dimension
SN7ADIFLUX	Fluidising Additive	25 kg

Pipe Clamp

Code	Dimension	Box A
JGUFHSTAPLE	60 mm (ø 16)	300
JGUFHSTAPLE40	40 mm (ø 16)	300

Pipe Fixing Clip

Code	Dimension	Box A
JGUFHCLIP	16	100

Uncoiler - Straightener

*Uncoiler not included

Code	Description	Dimension
SN7UNCOILER	Uncoiler	Ø 16-17-18-20

Code	Description	Dimension
SN7RECTIFICA	Straightener included	Ø 16-17-18-20

Pipe Compatible Folding Uncoiler (SN7UNCOILER)

- EXa EVOH.
- PERT EVOH.
- Multilayer.

- For diameters from 14 mm to 20 mm.
- For rolls up to 600 metres.
- Saves tubing by using the exact number of metres per circuit.
- Manufactured in stainless steel.

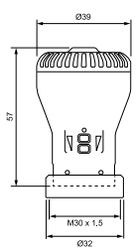
Multi-Layer Pipe Straightener with Aluminium (SN7RECTIFICA)

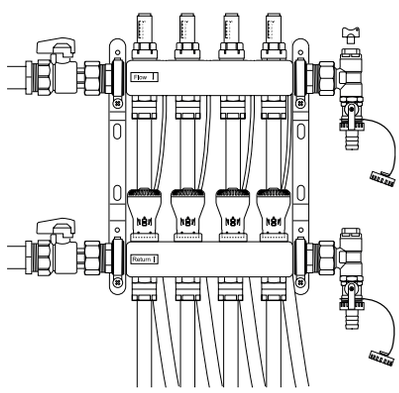
- Can be installed on the uncoiler and used to straighten tubes.
- Multilayer with Aluminium from ø 14 to ø 26.

Control-Regulation

Head - Multiple thermostatic actuator with a thermostatic wax element to transform electrical energy into movement. The compact design allows easy and quick installation in any position with two indicator windows (green and red).

- Clear indicator to show when open or closed.
- Available for 24V or 230V.





Code	Dimension	Dimension
SKIT450014	230V	M30
SKIT450015	24V	M30

Technical Data

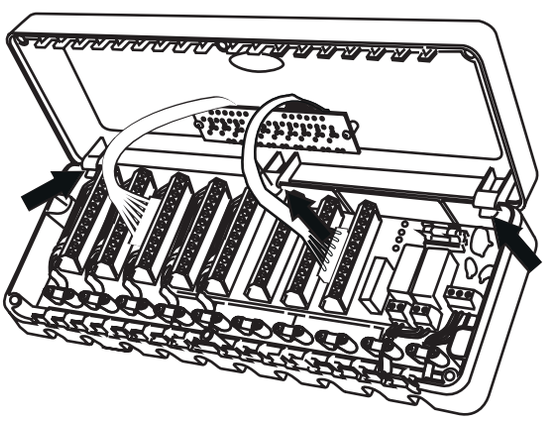
• Function mode :	2-Positioning, spring return without tensioning
• Supply voltage :	24V DC/AC 230 V AC
• Electrical input current :	0.2A / 0.3A
• Permanent power absorption :	2.5 - 3W
• Full stroke time :	3 - 4 mins aprox
• Nominal stroke :	3 mm
• Nominal spring return load :	90N
• Environment temperature :	0˚C to 50˚C
• Storage temperature :	-20˚C to +70˚C
• Cable length :	0.8M / 2 x 0.5 mm2
• Degree of protection :	IP42
• Protection class :	Double insulation

Junction Box 8 Zones

8-zone junction box for underfloor heating installations, allowing the connection of thermostats with actuators for each zone. The box can be mounted directly on the wall or on a rail. The status of each zone is indicated by an LED.

Advantages

- Modular design: connection modules can be plugged in.
- Prepared for control of circulator pumps.
- Activation of 24 V servomotors possible.
- Unambiguous connection of room thermostats and actuators.
- Direct wall mounting.
- LED operation indicator.
- Silent.



Code	Description	Dimension
WIRE300010	Junction Box 220 V -24V	8 Zones

Programmable Touch Thermostats

Programmable thermostats with touch screen, ideal for controlling the switch-on times and temperature in a room. The thermostats are designed for semi-recessed installation using cable connection.

Advantages

- Seven-day setting with six programmable events on each day.
- Accurate temperature control to +/-1ºC.
- Ergonomic, low profile and modern styling.
- Heating and cooling (hot and cold).

Code	Description	Mode
PROR100060	Black Touch Thermostat	Cold and Heat
PROR100065	White Touch Thermostat	Cold and Heat

Code	Description	Mode
PROR100050	Black Touch Thermostat	Heat

At RWC we know how important it is to have an adequate control and regulation system for our underfloor heating, as well as its integration with other air conditioning installations, providing the comfort, efficiency and design that our customers demand.

This is the premise behind the collaboration with Airzone, leaders in the air conditioning market, with more than 20 years' experience in the development of control and regulation systems. It allows the different combinations required by the air-conditioning installation to be managed from a single control centre. By installing thermostats in each of the zones, it is possible to control the comfort temperature in each of them, avoiding over-consumption of energy and achieving greater energy efficiency. Airzone's Webserver Cloud allows remote management of all the systems, with total connectivity, converting smartphones or tablets into smart thermostats, connected via the free Airzone Cloud application. Through this application, Airzone's technical support can be connected remotely, providing support for door start-up, configuring operating parameters or diagnosing the installation. Thanks to its compatibility with Google Assistant and Alexa, the entire installation can be managed from home via voice control. All Airzone systems can be integrated into the building's home automation system via the KNX integration gateway.

Airzone System Benefits

Independent Temperatures

Choose the perfect temperature for each room. Because not everyone feels hot or cold in the same way.

Energy Efficiency

Our energy efficiency algorithms favor the rational use of energy, maximizing the potential of your system.

Cloud Technology

In addition to offering you remote control, we ensure that your system is always up to date thanks to remote updates.

High Quality

Recommended by the main manufacturers of air conditioning equipment on the market. More than 20 years of experience at your service.

Economical Savings

Activate only the zones you are using. Control consumption and take advantage of low-cost hours to save more. to save more.

Integrated Design

Air conditioning and heating integrated in the same thermostat. The perfect balance between design, finish and control.

Compatibility

Our systems can be integrated with any machine from the main manufacturers in the market.

Warranty

You can extend the warranty on your Airzone products for an additional year free of charge. Your peace of mind, our satisfaction.

Pack RadianT365

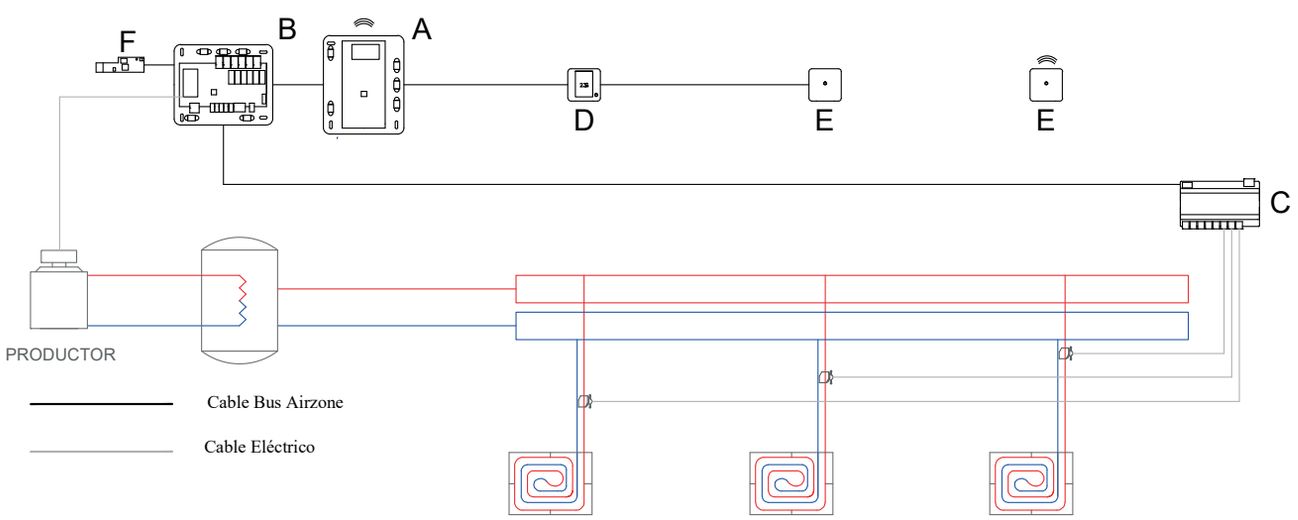
The Airzone RadianT365 system allows the control of radiator water heating systems, as well as underfloor heating and cooling systems.

Zoned control of up to 6 independent temperature zones, with the possibility of extending 2 more zones with the Airzone production control unit.

- System unit operating mode.
- On/Off according to demand.
- Limitation of the setpoint temperature.
- Relative humidity measurement for each zone.
- Limitation of minimum and maximum temperatures for efficient control with Eco-Adapt function.
- Opening and closing of the solenoid valve for weekly maintenance.

Zoned Control | Radiant Hot/Cold | Pack Format

The RadianT365 system has been designed to perform the zoned control of water heating installations with radiators or underfloor heating hot and cold.



References	Description
A	RadianT365 Control Panel RadianT365
B	Production Control Panel
C	Radiant element control module 8 zones
D	Blueface wired thermostat White/Black RadianT365 Thermostat
E	Lite wired [B/W] RadianT365
E	Thermostat Lite radio [B/W] RadianT365 Webserver Airzone Cloud
F	Din Ethernet/Wifi rail

The different RadianT365 Packs allow you to adapt the management and control system to your needs.

Pack RadianT365

Code	N/B	Description
AZRA6BFSC2__		2 zones (1 Blueface Cable/1 Lite Cable)
AZRA6BFSC3__		3 zones (1 Blueface Cable/2 Lite Cable)
AZRA6BFSC4__		4 zones (1 Blueface Cable/3 Lite Cable)
AZRA6BFSC5__		5 zones (1 Blueface Cable/4 Lite Cable)
AZRA6BFSC6__		6 zones (1 Blueface Cable/5 Lite Cable)
AZRA6BFSC7__		7 zones (1 Blueface Cable/6 Lite Cable)
AZRA6BFSC8__		8 zones (1 Blueface Cable/7 Lite Cable)
AZRA6BFSR2__		2 zones (1 Blueface Cable/1 Lite Radio)
AZRA6BFSR3__		3 zones (1 Blueface Cable/2 Lite Radio)
AZRA6BFSR4__		4 zones (1 Blueface Cable/3 Lite Radio)
AZRA6BFSR5__		5 zones (1 Blueface Cable/4 Lite Radio)
AZRA6BFSR6__		6 zones (1 Blueface Cable/5 Lite Radio)
AZRA6BFSR7__		7 zones (1 Blueface Cable/6 Lite Radio)
AZRA6BFSR8__		8 zones (1 Blueface Cable/7 Lite Radio)

N/B: The letters B and N denote the color of the thermostat, black and white respectively.

- Radio connection pack: Includes 10 m bus cable for BlueFace thermostat connection.
- Cable connection pack: Does not include bus cable. Use of 100 m bus cable is recommended.
- The 7 and 8 zone packs come with production control panel.
- The Lite thermostats in the packs cannot be combined, i.e. all thermostats are wired or wireless.
- The Blueface or Lite thermostats of the RadianT365 system are not compatible with other Airzone management and control systems.

Radian T365 Webserver Pack

Code N/B	Description
AZRA6BFSC2_W	2 zones (1 Blueface Cable/1 Lite Cable)
AZRA6BFSC3_W	3 zones (1 Blueface Cable/1 Lite Cable)
AZRA6BFSC4_W	4 zones (1 Blueface Cable/1 Lite Cable)
AZRA6BFSC5_W	5 zones (1 Blueface Cable/1 Lite Cable)
AZRA6BFSC6_W	6 zones (1 Blueface Cable/1 Lite Cable)
AZRA6BFSC7_W	7 zones (1 Blueface Cable/1 Lite Cable)
AZRA6BFSC8_W	8 zones (1 Blueface Cable/1 Lite Cable)
AZRA6BFSR2_W	2 zones (1 Blueface Cable/1 Lite Radio)
AZRA6BFSR3_W	3 zones (1 Blueface Cable/1 Lite Radio)
AZRA6BFSR4_W	4 zones (1 Blueface Cable/1 Lite Radio)
AZRA6BFSR5_W	5 zones (1 Blueface Cable/1 Lite Radio)
AZRA6BFSR6_W	6 zones (1 Blueface Cable/1 Lite Radio)
AZRA6BFSR7_W	7 zones (1 Blueface Cable/1 Lite Radio)
AZRA6BFSR8_W	8 zones (1 Blueface Cable/1 Lite Radio)

N/B: The letters B and N denote the color of the thermostat, black and white respectively.

- Radian connection pack: Includes 10 m bus cable for BlueFace thermostat connection.
- Cable connection pack: Does not include bus cable. Use of 100 m bus cable is recommended.
- The 7 and 8 zone packs come with production control panel.
- The Lite thermostats in the packs cannot be combined, i.e. all thermostats are wired or wireless.
- The Blueface or Lite thermostats of the RadianT365 system are not compatible with other Airzone management and control systems.

Pack Radiant365 Accesorios

Code	Description	Box A
AZRA6RADIANT	RadianT365 control centre 1	1
AZX6CCP	Production control centre 1	1
AZRA6OUTPUT8Z	Radiant element control module 8 zones 1	1
AZX6WSCLOUDDINC	Webserver Airzone Cloud Din Ethernet lane 1	1
AZX6WSCLOUDDINR	Webserver Airzone Cloud Cloud Din Rail Wifi 1	1
AZX6WEBSCLOUDC	Webserver Airzone Cloud Ethernet 1	1
AZX6WEBSCLOUDR	Webserver Airzone Cloud Wifi 1	1
AZRA6BLUEFACECB	RadianT365 White Blueface wired thermostat RadianT365 1	1
AZRA6BLUEFACECB	RadianT365 black Blueface wired thermostat RadianT365 1	1
AZRA6LITECB	RadianT365 1 Thermostat lite white cable RadianT365 1	1
AZRA6LITECN	Thermostat lite cable black RadianT365 1	1
AZRA6LITERB	RadianT365 1 RadianT365 white lite radio thermostat	1
AZRA6LITERN	RadianT365 1 RadianT365 1 thermostat lite radio black	1
AZX6KNXGTWAY	Integration gateway Airzone-knx 1	1
AZX6CABLEBUS15	Airzone bus cable (2x0.5+2x0.22) 15 m 1	1
AZX6CABLEBUS100	Airzone bus cable (2x0.5+2x0.22) 100 m 1	1
AZX6CABLEBUS500	Airzone bus cable (2x0.5+2x0.22) 500 m 1	1
AZX6CABLEBUSHF	Airzone halogen-free bus cable (2x0.5+2x0.22) 100 m 1	1
AZX6CABLERN100	Airzone RN cable (2x0.75) 100 m 1	1
AZX6CABLERNHF	Airzone halogen-free RN cable (2x0,75) 100 m	1

3. Control of Flow, Temperature and Pressure

RWC valves offer a wide and robust range of accessories for potable and non-potable water supply.

With over 60 years of experience in the development and innovation of thermostatic mixing valves, flow and pressure control valves, providing protection and safety in hydraulic installations, creating safe and comfortable spaces.

- Ball Valves
- Temperature Control
- Pressure Control
- Auxiliary Components
- Combinations and Special Valves

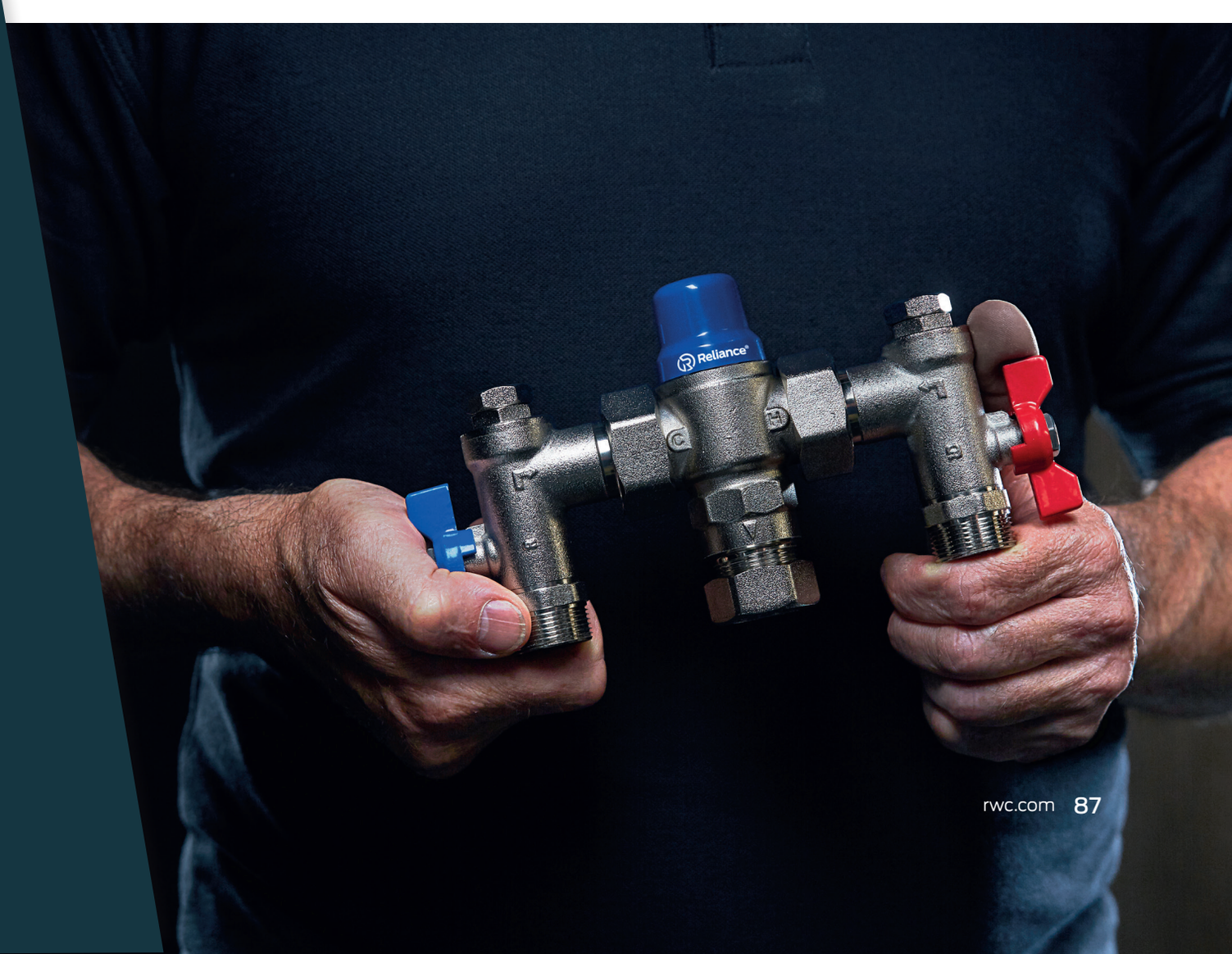
RWC valves are available with a wide variety of sections and end connections, allowing installation in residential, commercial and industrial applications.

Characteristics :

- Safe and reliable control technology.
- Temperature, flow and pressure control.
- Versatile combined solutions.
- Wide range of auxiliary accessories.

Benefits :

- Accuracy in water control.
- Optimisation of flow temperature.
- User safety, health and hygiene.
- Minimises water and energy consumption.



Nickel Plated Brass Water Ball Valve

- BSP connection.
- Working pressure PN25-PN40.
- PVC handle in red or blue colour.

Code	Description	Dimension
BVAL400140	Female Ball Valve PN40 - Blue Handle	1/4”
BVAL400120	Female Ball Valve PN40 - Blue Handle	3/8”
BVAL400001	Female Ball Valve PN40 - Blue Handle	1/2”
BVAL400010	Female Ball Valve PN40 - Blue Handle	3/4”
BVAL400020	Female Ball Valve PN40 - Blue Handle	1”
BVAL400030	Female Ball Valve PN40 - Blue Handle	1” 1/4
BVAL400040	Female Ball Valve PN40 - Blue Handle	1” 1/2
BVAL400050	Female Ball Valve PN40 - Blue Handle	2”
BVAL400130	Female Ball Valve PN25 - Blue Handle	2” 1/2
BVAL400141	Female Ball Valve PN40 - Red Handle	1/4”
BVAL400121	Female Ball Valve PN40 - Red Handle	3/8”
BVAL400000	Female Ball Valve PN40 - Red Handle	1/2”
BVAL400011	Female Ball Valve PN40 - Red Handle	3/4”
BVAL400021	Female Ball Valve PN40 - Red Handle	1”
BVAL400031	Female Ball Valve PN40 - Red Handle	1” 1/4
BVAL400041	Female Ball Valve PN40 - Red Handle	1”1/2
BVAL400051	Female Ball Valve PN40 - Red Handle	2”
BVAL400131	Female Ball Valve PN25 - Red Handle	2” 1/2

Nickel Plated Ball Valves

Ball valves allow flow control and are essential for use in plumbing, heating, air conditioning, fire protection, gas, air, etc. installations. They sectorise the installation, allowing maintenance and repair work to be carried out without the need to interrupt the total operation of the installation and emptying it. Their ¼ turn quick closing, normally with a lever, makes their operation very simple and their design is smaller than that of gate valves.

A complete range of isolating ball valves from ¼" to 2"-½" diameter, BSP connection and working pressure PN40 or PN25 (2"-½) with a maximum temperature of 85ºC. Galvanised steel handle and PVC sleeve in red and blue to designate uses (generally hot and cold) complying with EN 331 standard.

Materials

- Body : Nickel-plated brass
- Ball : Chrome-plated brass
- Stem : Brass
- Sealing : EPDM
- Lever : Galvanised steel + PVC Cover
- Seat : PTFE

Dimensiones

Size	A	D	E	L	H
1/4”	80	10	G 1/4”	45	41
3/8”	80	10	G 3/8”	45	41
1/2”	92	15	G 1/2”	48	45
3/4”	92	20	G 3/4”	57	48
1”	105	25	G 1”	68.5	54
1” 1/4	105	32	G 1”1/4	80.5	63
1” 1/2	157	40	G 1”1/2	91	68
2”	157	50	G 2”	109	86
2” 1/2	225	60	G 2”1/2	146	122

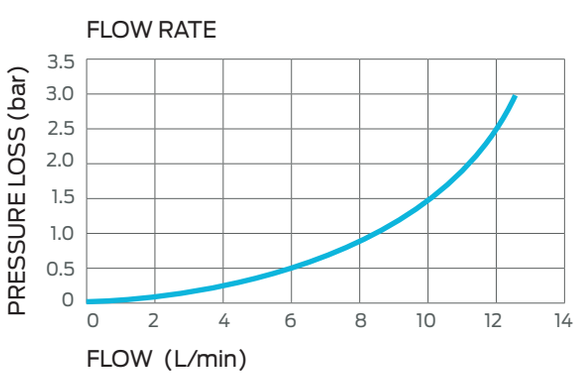
Water temperature control is our speciality.

RWC as the world's leading manufacturer and supplier of thermostatic controls and thermostatic mixing valves, temperature control products are at the heart of our product range. RWC offers a complete range of systems to control water temperature and enable accurate management of comfort and safety levels in any building.

We were the original pioneers of thermostatic controls and bring almost 60 years of experience to the industry. Our track record of innovation, quality and value has maintained our global leadership, and provides building designers and product specifiers with unrivalled quality and choice. While for building owners and occupants, choosing Reliance temperature controls ensures high performance combined with safe operating criteria for total peace of mind. Within our temperature control range, you will find a wide selection of thermostatic mixing valves (TMVs valves) suitable for heating and domestic hot water applications in residential, commercial and industrial uses.

Heatguard Style Mixing Valve

- Highly polished chrome finish
- Sleek, compact design fits easily into the front of wall power outlets
- Includes check valve and filter.
- Hot water circuit cut-off in case of no cold water supply.
- Compression or MBSP threaded connection on the same model.
- Hot water temperature range 55-65ºC (Max. 85ºC).
- Cold water temperature range 5-25ºC.
- Temperature adjustment range 35-45ºC.
- Working pressure 0.2 to 6.0 bar.
- Minimum flow rate 2 L/min.



Available on bimstore.co

WRAS APPROVED PRODUCT

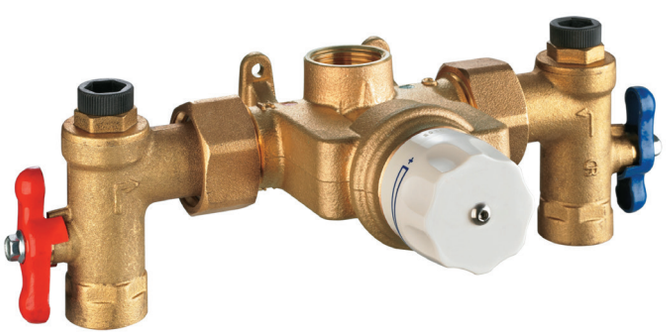
kiwa certified Kiwa United Kingdom Type 3 TMV

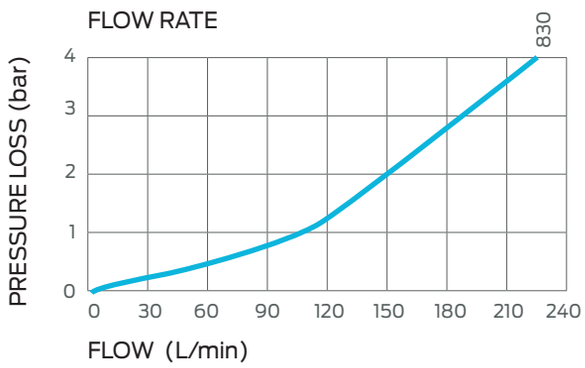
Code	Description	Dimension
HEAT135001	Union	15 mm-1/2"

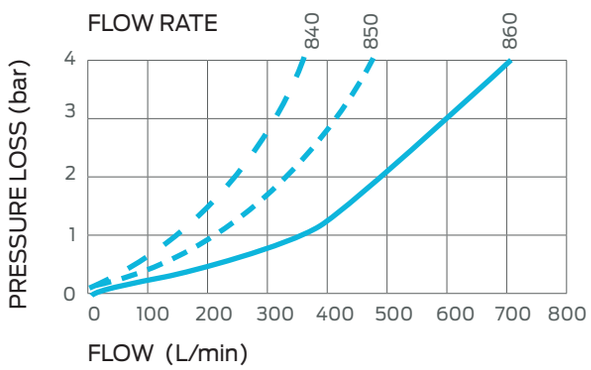
Masterguard Mixing Valve

- The integrated fixing point allows easy attachment to walls or floors.
- Designed for very high flow rates, with extremely stable outlet temperature.
- Adjustable temperature mechanism with locking function allows installer flexibility.
- Minimal moving parts and simple construction reduce maintenance service interval.
- 4-in-1 installation fitting provides easy orientation of the valve to match inlet piping, and includes cross-flow prevention, isolation and filtration.
- Hot water circuit shut-off in the event of no cold water supply.
- Hot water temperature range 90ºC.
- Cold water temperature range 5-25ºC.
- Temperature adjustment range 35-65ºC.
- Working pressure 0.2 to 6.0 bar.

Code	Dimension	LPM	Dimension
MIX83004	830	120 a 2.5 bar	1" FBSP
MIX84004	840	170 a 2.5 bar	1" 1/4 FBSP
MIX85004	850	260 a 2.5 bar	1" 1/2 FBSP
MIX86004	860	360 a 2.5 bar	2" FBSP







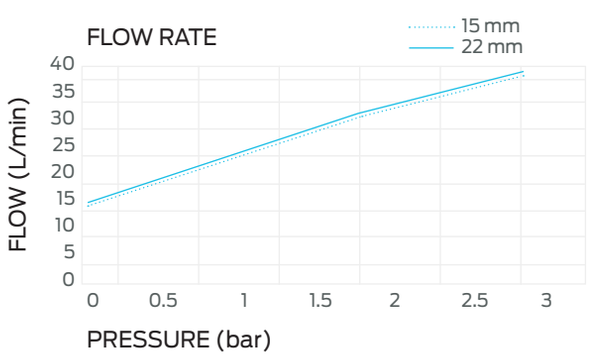
Ausimix Compact Mixing Valve

- Approved for healthcare (TMV3) and the public sector (TMV2)
- Temperature adjustment key on valve cover for easy maintenance
- Operates in larger areas up to 10 : 1 pressure differential, instead of industry standard 5 : 1
- Viton seals, not EPDM, to significantly improve performance at higher temperatures
- Easy to install.
- 2-in-1 telescopic model allows 10 mm adjustment at any inlet.
- 2 in 1 model includes check valve and strainer.
- 4-in-1 model includes check valve, strainer, isolation and measuring point for pressure or temperature in one compact unit.
- Hot water circuit shut-off in case of no cold water supply.
- Compression or MBSP threaded connection on the same model.
- Hot water temperature range 52-65ºC (Max. 85ºC).
- Cold water temperature range 5-25ºC.
- Temperature adjustment range 38-46ºC.
- Working pressure 0.2 to 5.0 bar.
- Minimum flow rate 4 L/min.

Available on bimstore.co

WRAS APPROVED PRODUCT

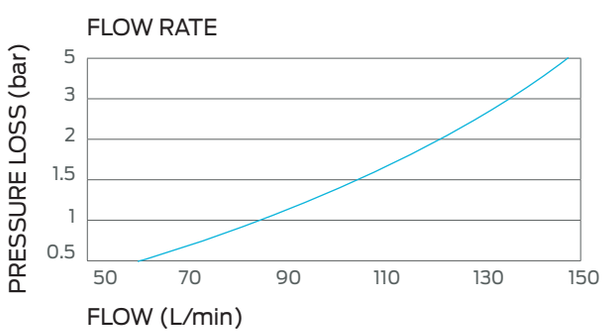
Code	Description	LPM	Dimension
HEAT110751	Telescopic 2 in 1	35 a 2.5 bar	15 mm-1/2" MBSP
HEAT110750	2 in 1 Union	35 a 2.5 bar	15 mm-1/2" MBSP
HEAT110755	2 in 1 Union	35 a 2.5 bar	22 mm-3/4" MBSP
HEAT110780	4 in 1 Union	35 a 2.5 bar	15 mm-1/2" MBSP
HEAT110785	4 in 1 Union	35 a 2.5 bar	22 mm-3/4" MBSP



Euromixer Mixing Valve

- Hot water circuit cut-off in case of no cold water supply.
- Compression or MBSP threaded connection on the same model.
- Hot water temperature range 55-85ºC
- Cold water temperature range 5-25ºC.
- Temperature adjustment range 38-60ºC.
- Working pressure 0.5 to 10.0 bar.
- Minimum flow rate 15 L/min HEAT630100.
- Minimum flow rate 20 L/min HEAT640100.

Code	Dimension	LPM	Dimension
HEAT630100	630	120 to 2.5 bar	1" FBSP
HEAT640100	640	150 to 2.5 bar	1" 1/4 FBSP



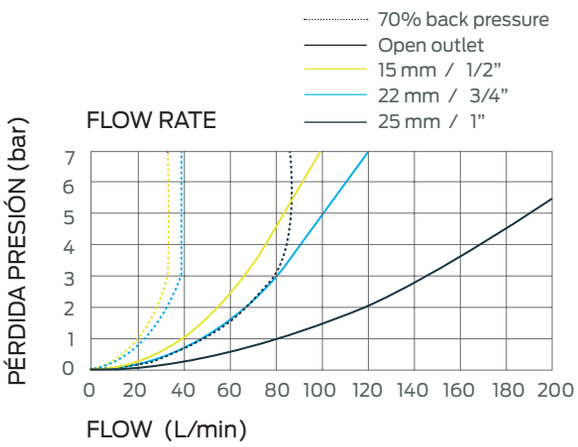
Controls for regulating water pressure.

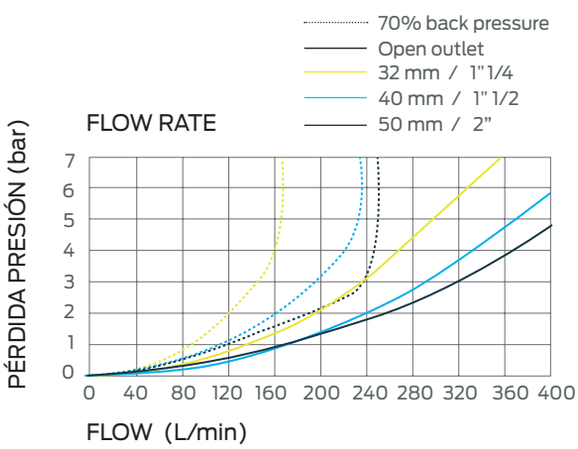
At RWC we are pioneers in building flow control products, manufacturing them since 1949. Reliance offers a complete range of solutions for regulating fluid pressure in hydraulic installations. Our innovative products enable installers to accurately measure, control and adjust flow rates for optimum safety, protecting the installation and connected components from overpressure damage. The pressure remains constant even with variations in inlet pressure. Controls pressure under both flow and no-flow conditions. Reducing operating and maintenance pressure minimises installation noise and saves water. Can be used in commercial and industrial installations.

Pressure Regulator 315i **Commercial**

- Suitable for hot and cold supplies
- Can be installed in any orientation
- Easy to read pressure gauge
- Robust design
- Fully serviceable
- Pressure control under both flow and no-flow conditions.
- Fully serviceable built-in filter.
- Easy to replace one-piece cartridge containing all parts.
- Maximum working pressure 25.0 bar.
- Adjustable pressure range 1.0-6.0 bar.
- Pressure reduction ratio 10 : 1.
- Maximum working temperature 70°C.

Available on bimstore.co

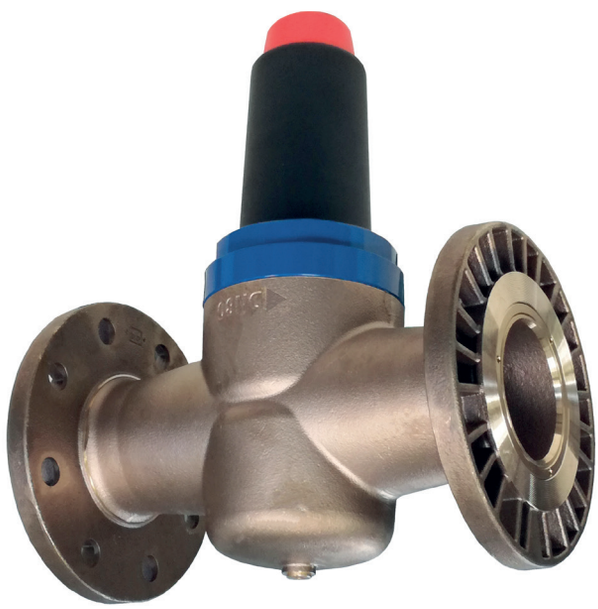




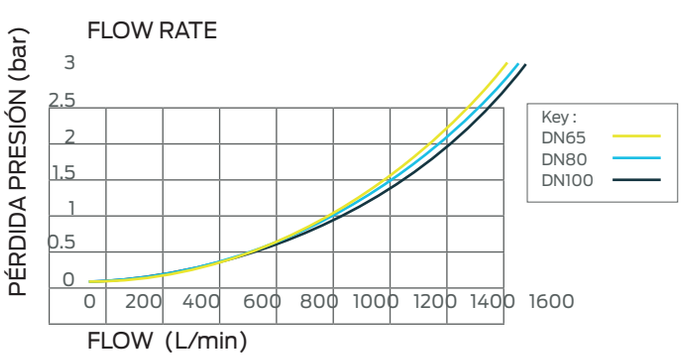
Code	Dimension
PRED315010	1/2" MBSP Union
PRED315020	3/4" MBSP Union
PRED315030	1" MBSP Union
PRED315040	1" 1/4 MBSP Union
PRED315050	1" 1/2 MBSP Union
PRED315060	2" MBSP Union

Pressure Regulator **6247 Commercial-industrial**

- Made of corrosion resistant bronze.
- Precise pressure control, adjustable from 1.5-6.0 bar.
- Robust design.
- All working components contained in a single cartridge.
- Test point at the base of the valve.
- Can be installed in any orientation.
- Pressure control under both flow and no-flow conditions.
- Easy to replace one-piece cartridge containing all parts.
- Maximum working pressure 16.0 bar.
- Adjustable pressure range 1.5-6.0 bar.
- Flange PN 16.
- Maximum working temperature 60ºC



Code	Description	Dimension
PRED624001	Maximum pressure 16 bar at 60ºC. Adjustable between 1.5-6.0 bar.	DN65
PRED624002	Maximum pressure 16 bar at 60ºC. Adjustable between 1.5-6.0 bar.	DN70
PRED624003	Maximum pressure 16 bar at 60ºC. Adjustable between 1.5-6.0 bar.	DN100
BVAL624001	Mini test point pall valve for 6247 PRV	1/4" MBSP



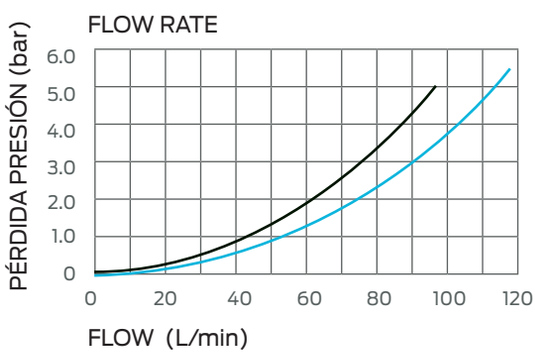
Pressure Regulator Cartridges

- Spare parts for pressure reducing valves with one-piece cartridges and threaded connection cartridge.

Code	Description	Dimension
REDC320002	For series 320 and TVA - use up to 80ºC	1/2" y 3/4"
REDC624001	For 6247 series use up to 60ºC	DN65, DN80, DN100
REDC315010	For 315i series use up to 70ºC	1/2" y 3/4"
REDC315020	For 315i series use up to 70ºC	1"
REDC315030	For 315i series use up to 70ºC	1" 1/4, 1" 1/2 y 2"

Pressure Regulator Predator

- Can be installed in any orientation providing maximum installation flexibility.
- Pressure control under both flow and no-flow conditions.
- Built-in filter protects the valve seat and is fully serviceable.
- Suitable for hot and cold applications.
- Built-in pressure gauge.
- Compression connection and MBSP thread on the same element.
- Maximum working pressure 16.0 bar.
- Adjustable pressure range 1.0-6.0 bar.
- Maximum working temperature 80ºC.



Code	Description	Dimension
PRED800015	With manometer	1/2" MBSP
PRED800020	With manometer	3/4" MBSP

Pressure Gauges

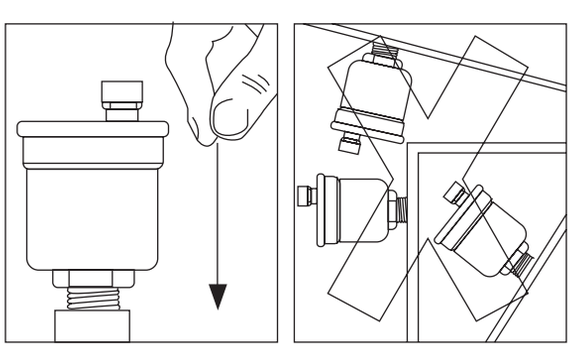
- Wide selection to suit all applications.
- IP40 according to EN 60529.

Code	Description	Description
GAGE250017	40 mm of 0 - 10 bar	1/4" BSP rear
GAGE250007	50 mm of 0 - 4 bar	1/4" BSP rear
GAGE250001	50 mm of 0 - 6 bar	1/4" BSP rear
GAGE250004	50 mm of 0 - 10 bar	1/4" BSP rear centre
GAGE250006	50 mm of 0 - 16 bar	1/4" BSP rear
GAGE250016	50 mm of 0 - 6 bar (for use with Easiset 320 PRVs)	1/4" BSP rear top
GAGE250002	63 mm of 0 - 6 bar	1/4" BSP rear
GAGE250005	63 mm of 0 - 10 bar	1/4" BSP rear
GAGE250008	63 mm of 0 - 6 bar	1/4" BSP bottom
GAGE250009	63 mm of 0 - 10 bar	1/4" BSP bottom

Push Fit Automatic Pressure Relief Valves

- Automatically vents trapped air from a sealed heating system
- Saves time and costs when commissioning new heating systems
- Solid brass construction and heat resistant polypropylene float provide long life and reliability
- Reduces call-outs to rectify airlocks, saving time and money

Code	Description	Dimension
AVEN100001	Automatic Purging Device	3/8”
AVEN100005	Automatic Purging Device	1/2”
AVEN100003	Automatic Purging Device	ø 15 Compression
AVEN300001	JG Speedfit Purging Device	ø 15 Push-Fit
AVEN450001	Automatic Nickel-plated	1/2”



Automatic steam traps shall be installed in a vertical position.

BSP Thread connection

Max. working pressure 10 bar
Max. working temperature 110ºC

Push Fit Thread connection

Max. working pressure 6 bar
Max. working temperature 95ºC

Pressure Relief Valve For Heating **100**

- Larger outlet size than the inlet, for high capacity discharges.
- Provides protection against overpressurisation in heating systems.
- Diaphragm design provides improved resistance.
- Cartridges designed for easy replacement without resetting response pressure.
- Maximum temperature 120ºC.
- Adjust pressure range from 2.5 bar to 5.0 bar to suit any system requirement.
- High lift design for greater discharge capacity.

Code	Dimension	Dimension
PREL100008	2.5 bar	1/2" - 3/4" F - FBSP
PREL100001	3 bar	1/2" - 3/4" F - FBSP
PREL100003	4 bar	1/2" - 3/4" F - FBSP
PREL100004	5 bar	1/2" - 3/4" F - FBSP
PREL100013	2.5 bar	3/4" - 1" F - FBSP
PREL100014	3 bar	3/4" - 1" F - FBSP
PREL100016	4 bar	3/4" - 1" F - FBSP
PREL100028	5 bar	3/4" - 1" F - FBSP
PREL100022	2.5 bar	1" - 1"1/4 F - FBSP
PREL100023	3 bar	1" - 1"1/4 F - FBSP
PREL100025	4 bar	1" - 1"1/4 F - FBSP
PREL100027	5 bar	1" - 1"1/4 F - FBSP
PREL100032	2.5 bar	1"1/4 - 1"1/4 F - FBSP
PREL100033	3 bar	1"1/4 - 1"1/4 F - FBSP
PREL100034	4 bar	1"1/4 - 1"1/4 F - FBSP
PREL100036	5 bar	1"1/4 - 1"1/4 F - FBSP
PREL100044	2.5 bar	1"1/2 - 2" F - FBSP
PREL100041	3 bar	1"1/2 - 2" F - FBSP
PREL100042	4 bar	1"1/2 - 2" F - FBSP
PREL100046	5 bar	1"1/2 - 2" F - FBSP
PREL100052	2.5 bar	2" - 2"1/2 F - FBSP
PREL100049	3 bar	2" - 2"1/2 F - FBSP
PREL100050	4 bar	2" - 2"1/2 F - FBSP
PREL100055	5 bar	2" - 2"1/2 F - FBSP

Heating Pressure Relief Valve 103

- The diaphragm design provides increased scale resistance and prolongs valve life.
- Direct removal of the one-piece cartridge allows access to the seat for cleaning or cartridge replacement.
- Set relief pressure range of 2.0 bar - 3.0 bar gives system design flexibility.
- Maximum temperature 140ºC.
- 0 to 4 bar gauge.
- Available with FBSP/FBSP or MBSP/FBSP connections, for complete installation flexibility.

Code	Description	Dimension
PREL103003	3 bar	1/2" F - FBSP

Pressure Relief Valve For Drinking Water 104

- Quick removal of the one-piece cartridge for cleaning or replacement.
- Diaphragm design provides improved scale resistance.
- Multiple connections for flexible installation.
- Relief pressure range adjustable from 3.5 - 8.0 bar.
- Maximum temperature 110ºC.

Code	Description	Dimension
PREL104040	3.5 bar	1/2"-3/4"F- FBSP
PREL104041	5 bar	1/2"-3/4"F-FBSP
PREL104008	6 bar	1/2"-3/4"F-FBSP
PREL104006	8 bar	1/2"-3/4"F-FBSP
PREL104042	3.5 bar	3/4"-1"F-FBSP
PREL104014	5 bar	3/4"-1"F-FBSP
PREL104010	6 bar	3/4"-1"F-FBSP
PREL104016	8 bar	3/4"-1"F-FBSP
PREL104043	3.5 bar	1"-1"1/4F-FBSP
PREL104001	5 bar	1"-1"1/4F-FBSP
PREL104002	6 bar	1"-1"1/4F-FBSP
PREL104017	8 bar	1"-1"1/4F-FBSP
PREL104044	3.5 bar	1"1/4-1"1/4F-FBSP
PREL104045	5 bar	1"1/4-1"1/2F-FBSP
PREL104005	6 bar	1"1/4-1"1/2F-FBSP
PREL104013	8 bar	1"1/4-1"1/2F-FBSP
PREL104046	3.5 bar	1"1/2-2"F-FBSP
PREL104047	5 bar	1"1/2-2"F-FBSP
PREL104012	6 bar	1"1/2-2"F-FBSP
PREL104020	8 bar	1"1/2-2"F-FBSP
PREL104048	3 bar	2"-2"1/2F-FBSP
PREL104049	5 bar	2"-2"1/2F-FBSP
PREL104015	6 bar	2"-2"1/2F-FBSP
PREL104023	8 bar	2"-2"1/2F-FBSP

Expansion Vessels For Drinking Water And Heating **Aquasystem**

- With stainless steel flange to prevent corrosion.
- Extra wide diaphragm opening to avoid noise caused by flow.
- EPDM internal membrane to avoid any water contact with the Epoxy coated steel casing, preventing internal corrosion.
- Wide range of products, from 2 litres to 5.000 litres, to cover all applications.
- All versions are supplied with a replaceable spare membrane.
- Temperature range -10ºC to 99ºC.
- Maximum pressure 10 bar.
- Supplied with pre-charge valve for air pressure recharge.
- Suitable for potable water and heating applications.

Code	Colour	Description	Dimension
XVES050010	White	3 bar	1/2" MBSP
XVES050020	White	3 bar	3/4" MBSP
XVES050030	White	3 bar	3/4" MBSP
XVES050040	White	3 bar	3/4" MBSP
XVES050050	White	3 bar	3/4" MBSP
XVES050060	White	3 bar	3/4" MBSP
XVES050070	White	3 bar	3/4" MBSP
XVES050080	Blue	3 bar	3/4" MBSP
XVES050090	Blue	3.5 bar	1" MBSP
XVES050100	Blue	3.5 bar	1" MBSP
XVES050110	Blue	3.5 bar	1" MBSP
XVES050120	Blue	3.5 bar	1" MBSP
XVES050130	Blue	3.5 bar	1"1/4 MBSP
XVES050140	Blue	3.5 bar	1"1/4 MBSP
XVES050150	Blue	3.5 bar	1"1/4 MBSP
XVES050160	Red	4 bar	2" MBSP
XVES050170	Red	4 bar	2" MBSP
XVES050180	Red	4 bar	2" MBSP
XVES050190	Red	4 bar	2" MBSP
XVES050200	Red	4 bar	DN65
XVES050210	Red	4 bar	DN80
XVES050220	Red	4 bar	DN80

Epoxy Coated Steel and Plastic Funnels

- AA type backflow prevention.
- Available in straight or angled version.
- Maximum temperature 99ºC.
- Maximum pressure 16 bar.
- Connections at 1/2" and 3/4" BSP respectively.

Code	Description	Dimension
TUND219005	Straight Plastic	15 mm - 22 mm
TUND218024	90º Plastic	15 mm - 3/4" FBSP
TUND218023	Straight Plastic	22 mm - 1" FBSP
TUND300003	Straight Plastic	1"1/4 - 1"1/2 FBSP
TUND300004	Straight Plastic with Epoxy	1" 1/2 - 2" FBSP
TUND300005	Straight Plastic with Epoxy	2" 1/2 - 3" FBSP

Aquasystem Expansion Vessel **Supports**

- Epoxy coated steel
- Complete with screws and wall plugs

Code	Dimension	Dimension
BRKT240021	5 litres	160 mm
BRKT240022	8 litres	200 mm
BRKT240050	12, 18 or 24 litres	280 mm
BRKT240051	35 or 50 litres (2 stands are recommended for this size)	365 mm

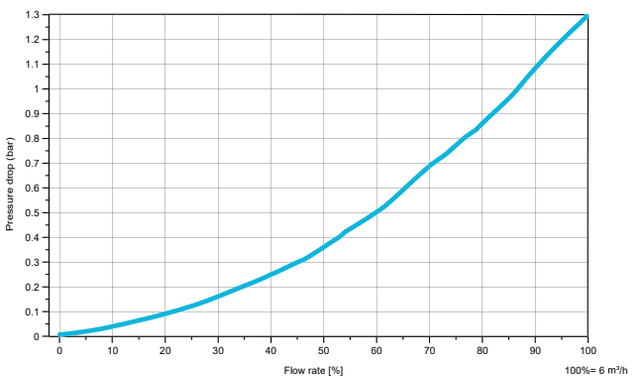
Aquasystem Expansion Vessel Replacement Membranes

- EPDM membrane.
- Available from 2 L to 5,000 L.
- Easy to replace.

Code	Dimension
MEMB100000	2 litres
MEMB100010	5 - 8 litres
MEMB100020	12 litres
MEMB100030	18 litres
MEMB100040	24 litres
MEMB100050	35 litres
MEMB100055	50 litres
MEMB100060	60 litres
MEMB100065	80 litres
MEMB100070	100 litres
MEMB100080	150 litres
MEMB100090	200 litres
MEMB100100	300 litres
MEMB100110	500 litres

Safe T Leak Prevention & Detection System

- Monitors system flow rates and timings to identify leaks and isolate the system
- Holiday mode, intensifying monitoring
- Multitude of programming options for all applications
- Optional floor sensor to detect even small leaks
- Minimises water damage if a leak occurs
- Universal flange allows for vertical or horizontal pipe installations
- Configurable alarms with audio alerts
- Battery or mains installation (with battery back-up)
- Low voltage installation



Code	Description
PROT150001	Safe T – Leak Detection

Tenant Valve Plus Water Control Monoblock

- A compact, space-saving water monitoring unit, ideal for flat blocks and multi-occupancy buildings.
- Comprising ball valve, pressure reducing valve, double check valve, test point and meter connection point. c
- Also includes a patented dual-reading pressure gauge to monitor inlet and outlet pressures.
- The single cartridge unit design ensures quick and easy installation, reduced leakage potential and simple maintenance, saving costs.
- Supplied pre-insulated further reducing installation time and cost.
- For use up to 16.0 bar pressure and temperatures up to 80˚ C.
- For use up to 16.0 bar pressure and temperatures up to 80˚ C.
- Adaptor available to allow installation of class 'D' gauge suitable for use as a primary load gauge.
- Supplied complete with moulded insulation protective enclosure.

Code	Dimension	Section
TVAP201001	Tenant Valve Plus	3/4" FBSP
TVAP201005	Tenant Valve Plus	1" FBSP
TADP200075	Adaptador Clase D	-

Key Information

Terms and Conditions of Sale.

All purchases are subject to our standard terms and conditions of sale, which can be found at https://www.SharkBite.es/condiciones-generales/ (Reliance Valves and SharkBite). Prices are VAT at the current rate.

Technical Information.

RWC and its family of products are specifically designed and manufactured to the technical specifications set out in our Technical Specification Guides on our websites. All products must be selected, used and maintained in accordance with these technical specifications and checklists. It is the responsibility of end users to ensure that products are suitable for their application, are correctly installed and maintained, and are used in accordance with our technical guidelines. RWC operates a product development programme, and therefore reserves the right to modify or change the specification of our products without prior notice. All information in this publication is given in good faith, and is believed to be correct at the time of going to press.

Technical Support.

At RWC, we offer installers all the support they need - before, during and after installation.

Technical Helpline.
Our experts are just a phone call away to provide technical advice.

Apoyo en su Puerta.
With one of the largest technical sales teams in Spain, we offer free technical support and advice.

Videos and Guides.
Practical installation and owners' guides.

Underfloor Heating. Free design.
Design solutions with easy-to-follow CAD.

Orders and Enquiries

+34 958 49 70 00

Our sales managers are at your disposal in Spain to advise you on product selection, as well as to answer any technical questions you may have. Please contact your technical sales manager directly or give us a call.

RWC
Solutions to
Shape the World™
RWC

For more information, please visit
www.rwc.com

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