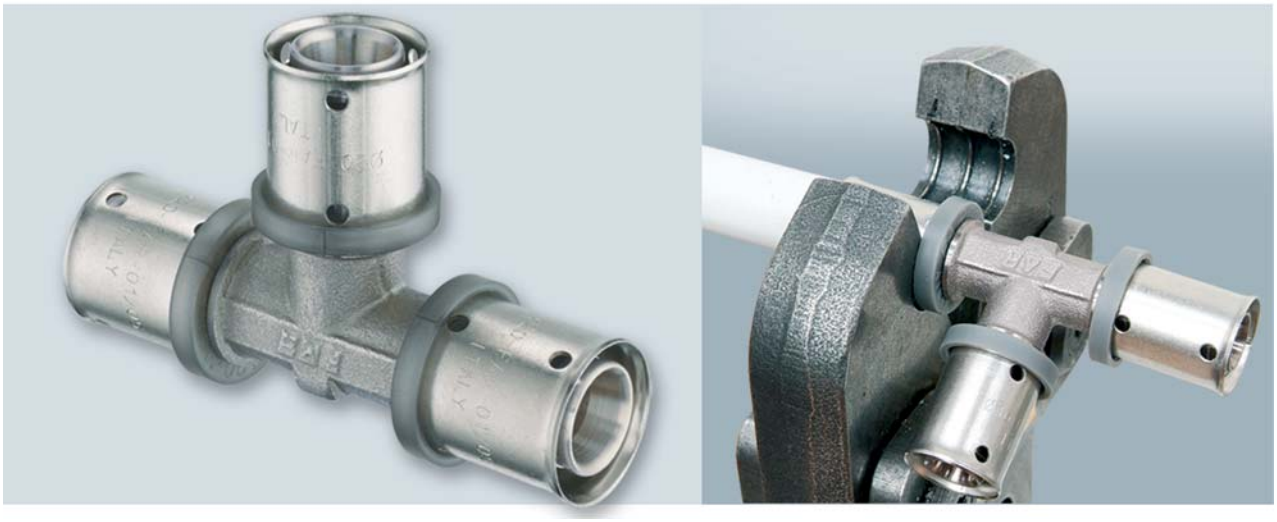
PRESSFAR

Certificato N°
DW - 8501BS0155



1. DESCRIPTION

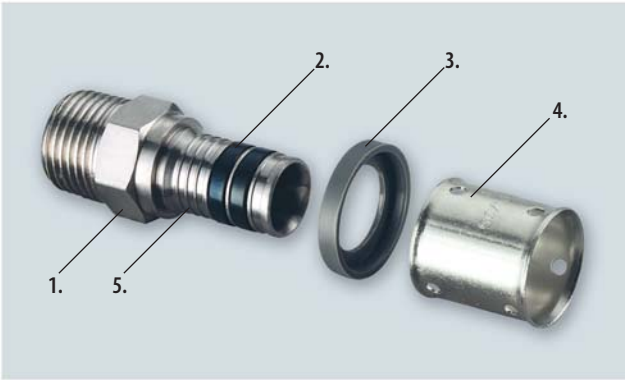
PressFar fittings are suitable for use with multilayer pipes for heating and potable water applications and domestic sanitation systems. They are easy to install and made of materials which meet the stringent rules on water intended for human consumption. PressFar fittings have been designed for pressing with three different profile jaws, i.e. TH, U and H.
They are available for multilayer pipe from Ø 14 mm up to Ø 63 mm: with 2 flat sealing gaskets for sizes from Ø 14 mm to Ø 32 mm and with 3 gaskets from Ø 40 mm to Ø 63 mm. Gaskets are rectangular, thus ensuring a large adhesive surface contact with the pipe and reducing possible leakage from the gasket seating when the pipe is inserted into the fitting.
All fittings feature a special metal plating, known as T.E.A. This covering makes the surface resistant to corrosion and guarantees excellent hardness and elasticity, while eliminating chrome flaking problems. Fittings with T.E.A. treatment are in accordance with international rules, NSF61 regulation and O.M.S. indicators.

2. CONSTRUCTIONS FEATURES

To ensure easy size identification, the ring is in three different colours.

The bush is reversible, making it possible to check that the pipe is properly inserted into the fitting by means of the locating holes. The plastic ring is used to position the bush correctly and hold it still during pressing.

WHITE 16X2,25 - 20X2,25
GREY 14X2 - 16X2 - 18X2 - 20X2 - 26X3 - 32X3 - 40X4 - 50X4
GREEN 20X2,5 - 25X2,5 - 40X3,5 - 50X4,5 - 63X4,5

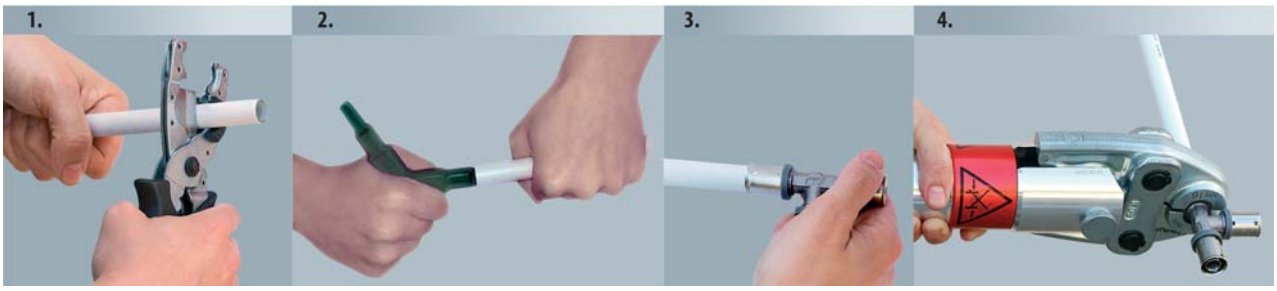


1. Body of press and bar fittings:	CW617N brass
2. O-ring:	EPDM
3. Ring:	NYLON ®
4. Bush:	AISI304 steel
5. Surface treatment:	T.E.A. ®

3. INSTALLATION

PRESSFAR fittings can be pressed with electrical press machines, or battery-powered pressing tools with jaws or inserts with TH, U, or H profiles. The press machine must be in appropriate condition, i.e. in full working order and checked against to the manufacturer's specification as being capable of the right type of pressing.

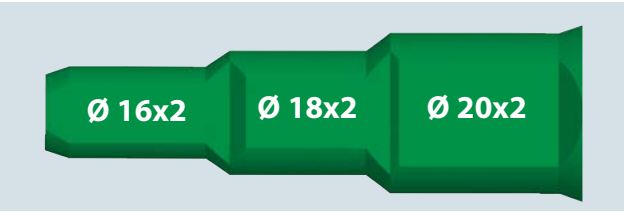
It is recommended that installation proceeds in the following 4 easy stages - remember that it is not necessary to lubricate the O-ring fitting.
1) Cut the pipe perpendicular to its axis with suitable shears.
2) Calibrate the pipe to make position of the fitting easier.
3) Insert the fitting up to the ring
4) Press the fitting

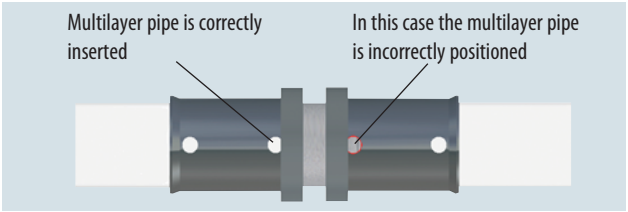


1.For a correct press the cut should be perpendicular to the pipe axis. While cutting you should rotate the shears around the pipe so as to minimize deformation.
2. Calibration is an important and necessary step, as it helps to ensure that the pipe is straight and to prepare for connection of the fitting.

3. Insert the fitting, checking the position of the pipe through the holes in the bush.
4. The jaws must be positioned as follows: on the TH jaw the plastic ring, which supports the steel bush, has to be placed in the matching seat, while the H and U jaws have to be placed on the steel bush, so that one side of the jaw is adjacent to the plastic ring. Before pressing, check that the position of the pipe is correct.

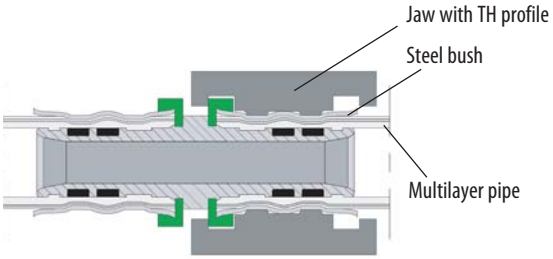
The corresponding pipe size is indicated on the gauge.



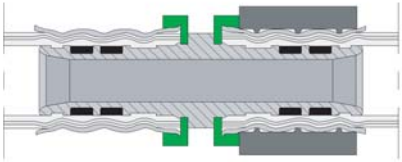


In the pictures below you can see fittings pressed with 3 different jaws

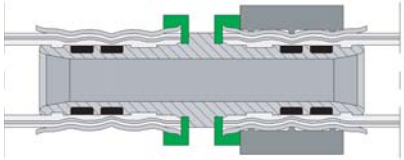
TH PROFILE



H PROFILE



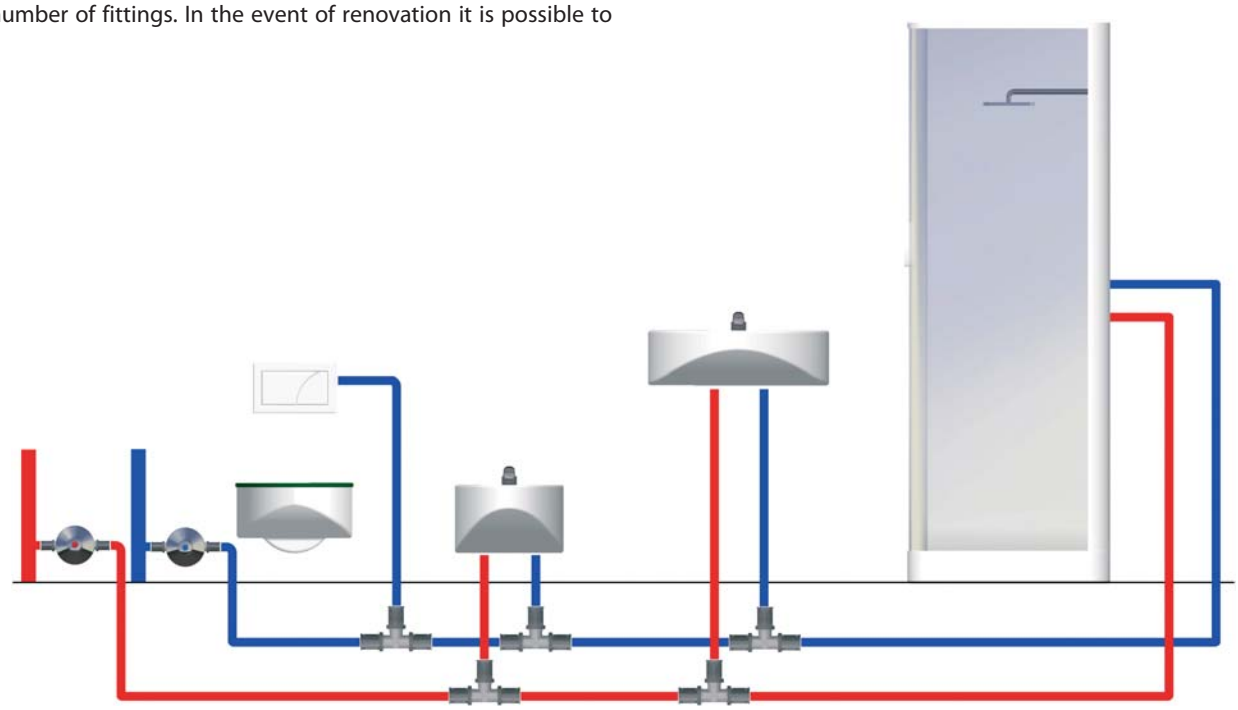
U PROFILE



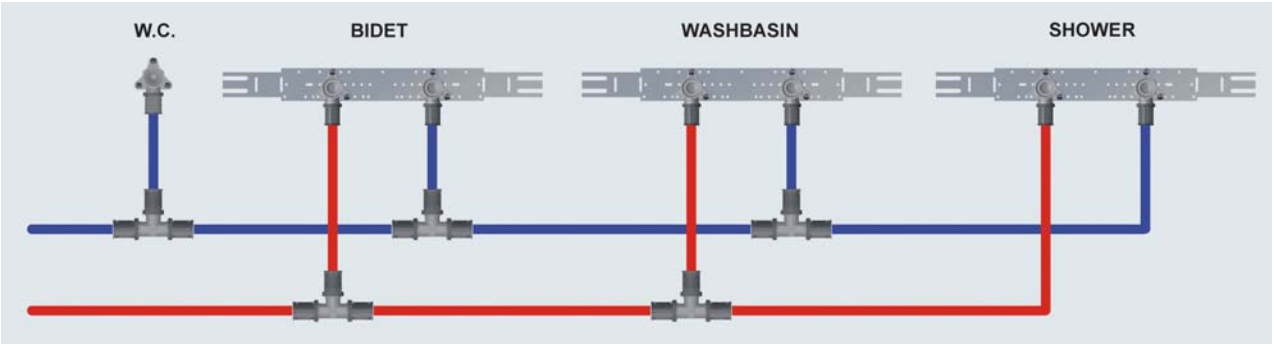
3.1 OVERVIEW OF FITTING INSTALLATION

System with distribution in the outlet (T distribution)

Systems with distribution in the outlet are achieved with T PressFar fittings: with the aid of the latter you can make connections to meet all individual requirements.
This system makes it possible to meet many requirements with a single pipe - reducing the need for pipes, but increasing the number of fittings. In the event of renovation it is possible to place the new materials into the existing slots.
Pipes coming off the main supply pipe have a larger diameter than those coming from outlets, as they have to meet the flow rate required to supply the furthest points in the water distribution circuit.



Terminal applications



FAR components for system with distribution in the outlet

Art. 5909

T fitting, with central reducer
- Body made of brass
- Bush made of stainless steel

Art. 7477

Metal bracket complete with screws.

Art. 5961-5971

Built-in stopcock complete with PressFar fittings.
- Art. 5961 with brass wall cover plate
- Art. 5971 with plastic wall cover plate

Art. 5914

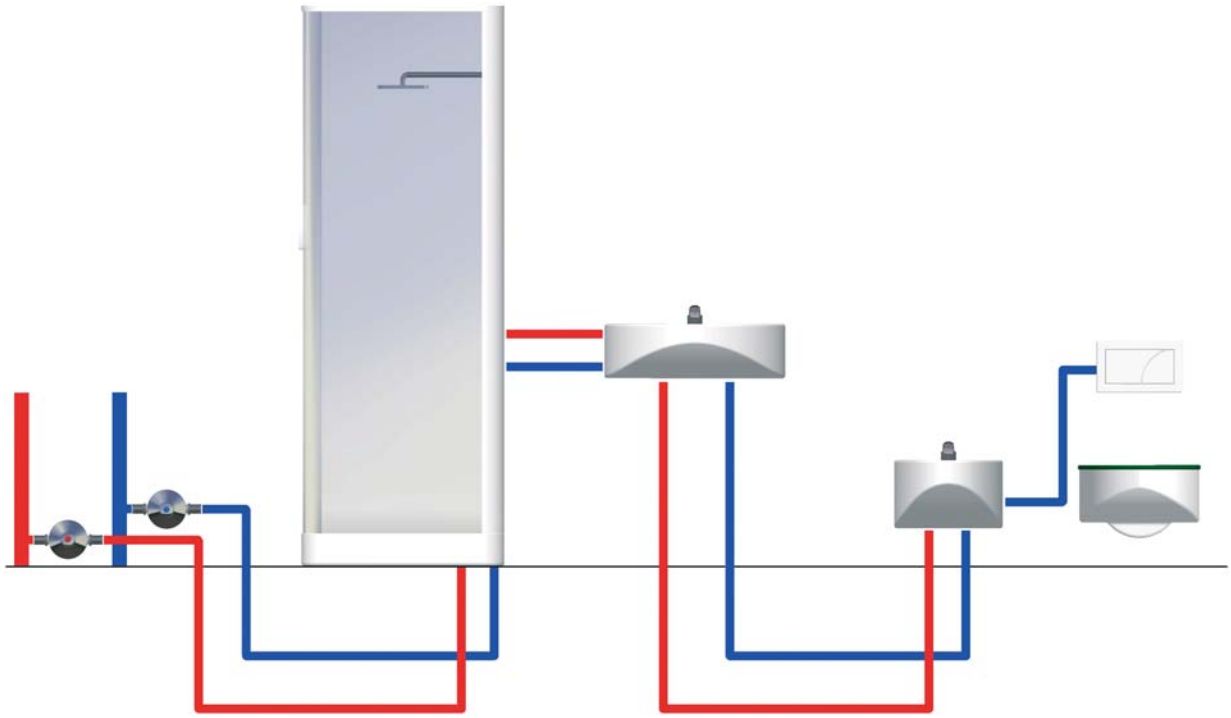
Female wall connection.
- Body made of brass
- Bush made of stainless steel

3.2 OVERVIEW OF FITTING INSTALLATION

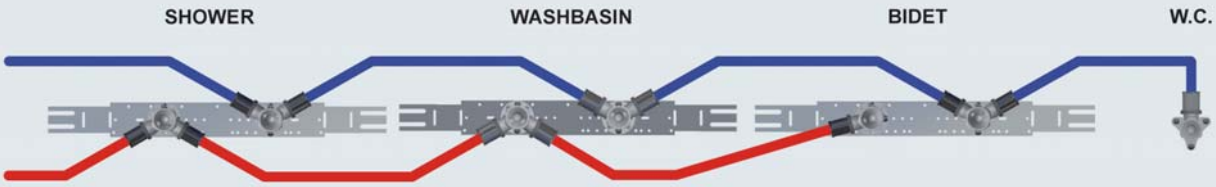
System with series distribution with 120° through connection

This kind of system does not require excessive use of pipes and fittings: it makes it possible to supply outlets by means of a single pipe, thus ensuring a balanced pressure condition in the entire circuit.

Further advantages of this system include reduced water stagnation and the use of a single diameter for all pipework in the outlet circuit.



Terminal applications



FAR components for system with series distribution

Art. 5916

120° through connection for bracket.
- Body made of brass
- Bush made of stainless steel

Art. 5917

Terminal connection for bracket.
- Body made of brass
- Bush made of stainless steel

Art. 7477

Metal bracket complete with screws.

Art. 5961-5971

Built-in stopcock complete with PressFar fittings.
- Art. 5961 with brass wall cover plate
- Art. 5971 with plastic wall cover plate

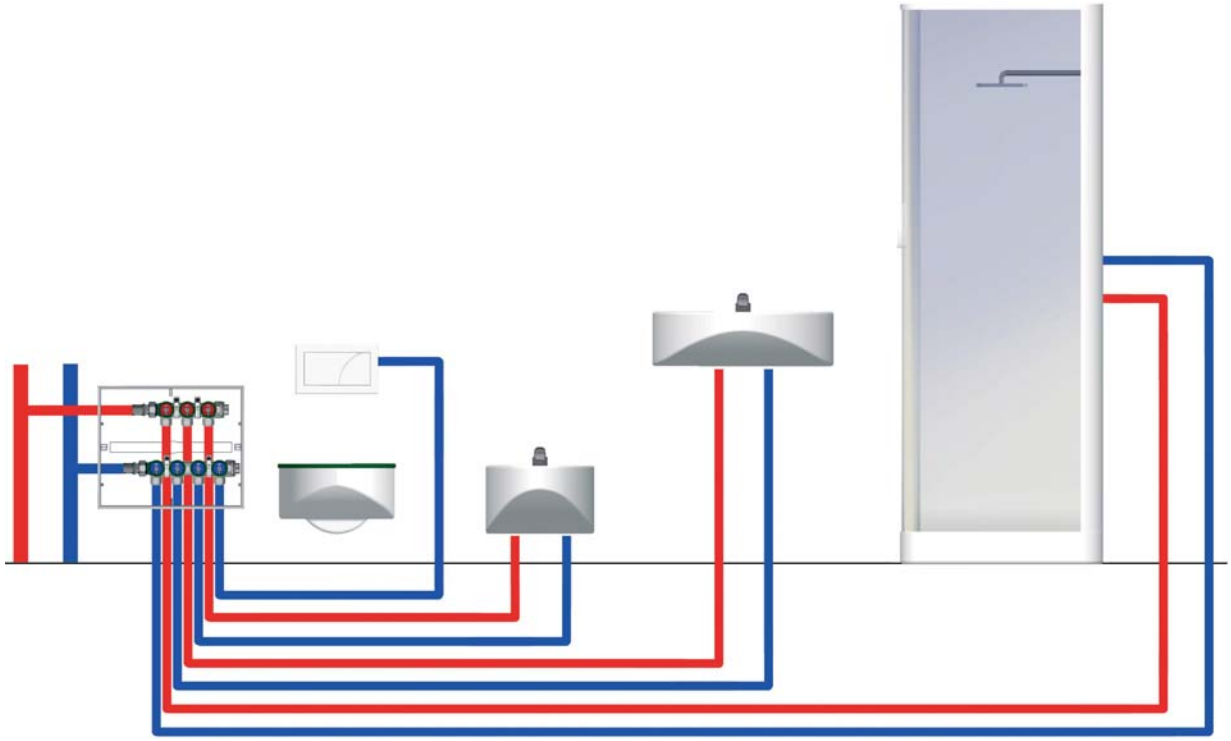
Art. 5914

Female wall connection.
- Body made of brass
- Bush made of stainless steel

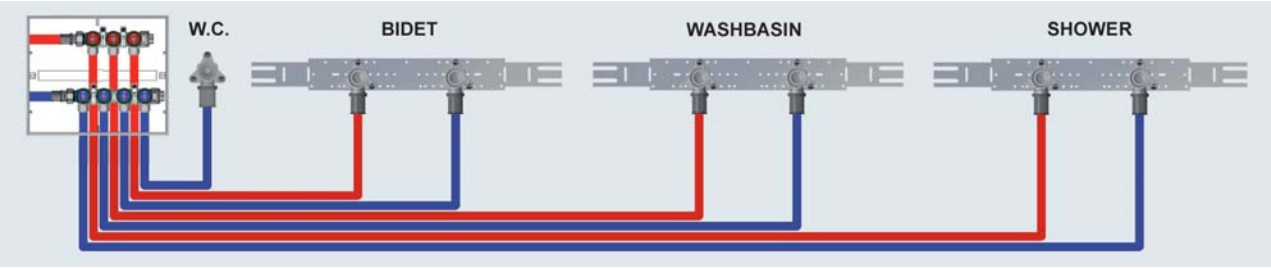
3.3 OVERVIEW OF FITTING INSTALLATION

System with manifold distribution

In this system every outlet/ tap is individually supplied by a single pipe.
It is easy to install and reduces the time and cost of pipe laying. Every tap, showerhead etc is independent from all the others, so closure of one water outlet doesn't prevent the operation of any other.
Using manifolds - located in suitable inspection boxes, or at an accessible point - makes for easier maintenance.



Terminal applications



Components for system with manifold distribution

Art. 3825 with 2 outlets
Art. 3850 with 3 outlets
Art. 3856 with 4 outlets

Multifar - Chrome-plated modular manifolds for both domestic services and heating systems. Complete with manual controls.
- Interchangeable sizes for copper, plastic and multilayer pipe
- Side connections: 3/4" – 1" male-female
- Centre line between ports: 45 mm

Art. 4150

Chrome-plated terminal blanking plug complete with O-ring seal for manifolds.

Art. 5919

Nipple with flat-faced connection
- Body made of brass
- Bush made of stainless steel

Art. 5914

Female wall connection.
- Body made of brass
- Bush made of stainless steel

Art. 7477

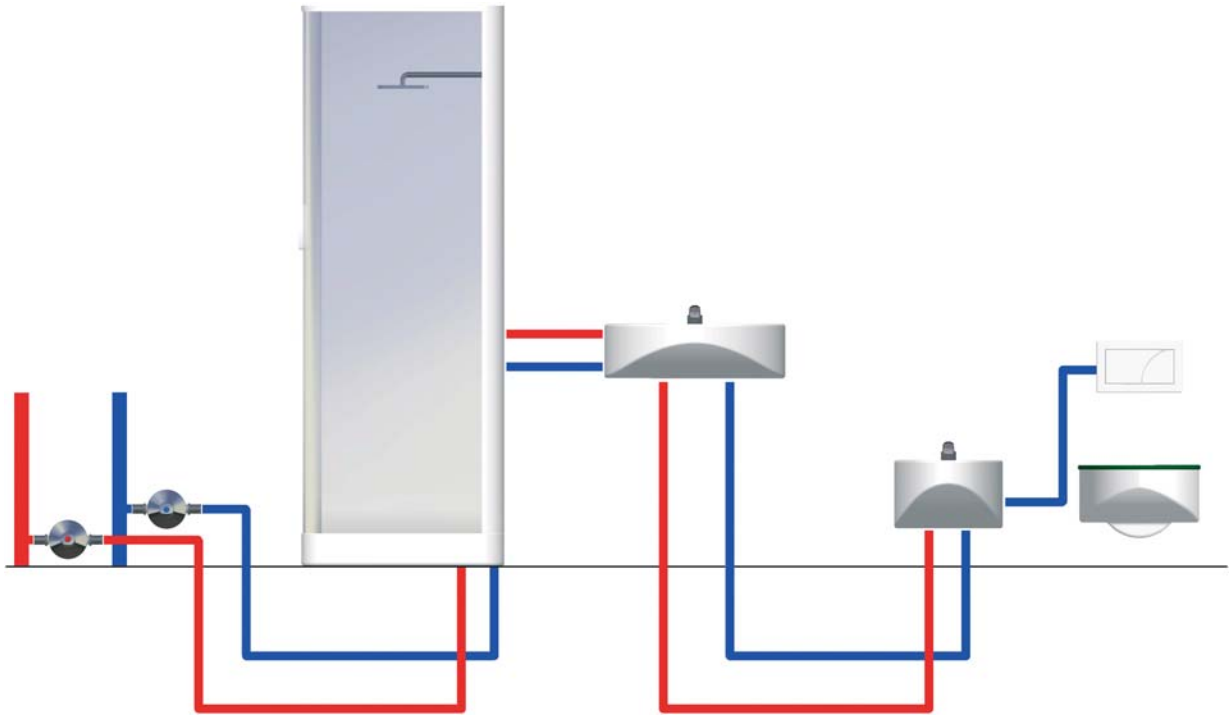
Metal bracket complete with screws.

3.4 OVERVIEW OF FITTING INSTALLATION

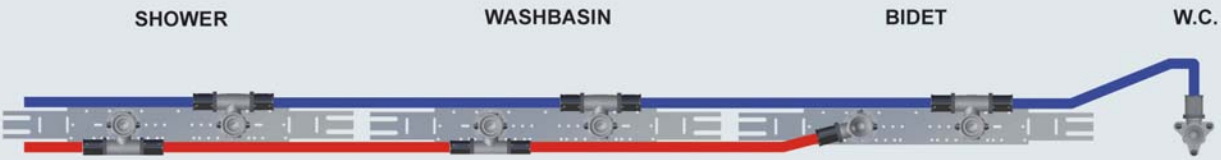
System with series distribution with straight through connection

This kind of system does not require excessive use of pipes and fittings: it makes it possible to supply outlets by means of a single pipe, thus ensuring a balanced pressure condition in the entire circuit.

Further advantages of this system include reduced water stagnation and the use of a single diameter for all pipework in the outlet circuit.



Terminal applications



FAR components for system with series distribution

Art. 5917

Terminal connection for bracket.
- Body made of brass
- Bush made of stainless steel

Art. 5914

Female wall connection.
- Body made of brass
- Bush made of stainless steel

Art. 7477

Metal bracket complete with screws.

Art. 5961-5971

Built-in stopcock complete with PressFar fittings.
- Art. 5961 with brass wall cover plate
- Art. 5971 with plastic wall cover plate

Art. 5925

Right through connection.
- Body made of brass
- Bush made of stainless steel

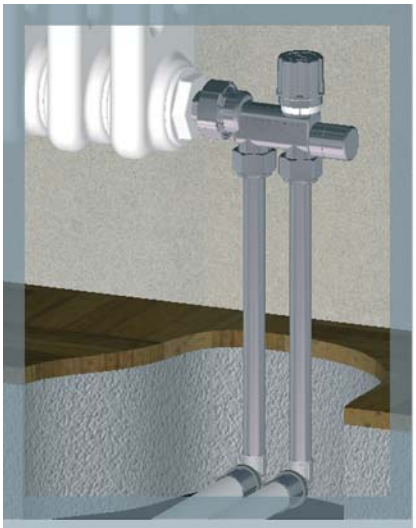
4. TECHNICAL FEATURES

Nominal pressure:	16 bar
Max. temperature:	95°C
Compatible media:	water (with and without glycol)

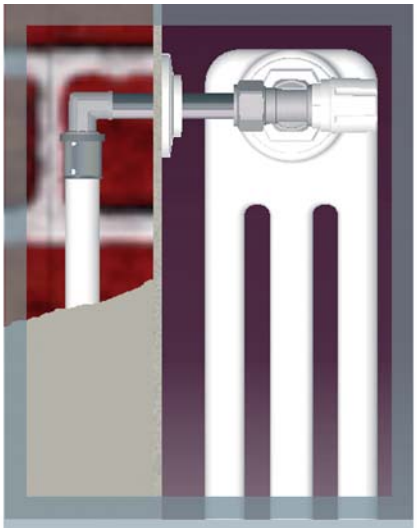
5. AVAILABLE PRESSFAR FITTINGS

Art. 5900	Art. 5901	Art. 5902	Art. 5903	Art. 5904	Art. 5905
					
Art. 5906	**Art. 5907**	**Art. 5908**	**Art. 5910**	**Art. 5911**	**Art. 5912**
					
Art. 5913	**Art. 5915**	**Art. 5918**	**Art. 5920**	**Art. 5921**	**Art. 5922**
					
Art. 5923	**Art. 5924**	**Art. 5960-Art. 5970**	**Art. 5962-Art. 5972**	**Art. 5963-Art. 5973**	**Art. 5964-Art. 5974**
					

6. FITTING INSTALLATION FOR RADIATOR CONNECTIONS, Art. 5920 - 5921



Art. 5920 - Radiator connection by means of an elbow with pressed tightening on double-pipe valve.



Art. 5920 - Radiator connection by means of an elbow with pressed tightening, pipe inside wall.

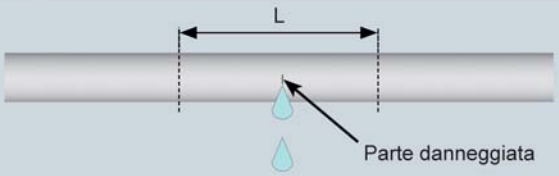
Art. 5921 - Radiator connection by means of a T fitting with pressed tightening on double-pipe valve.

7. REPAIR AND EXPANSION JOINT INSTALLATION, Art. 5926

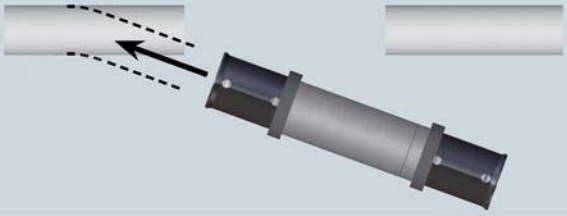
The repair and expansion joint is suitable for use in the event of problems in water systems made up with multilayer pipes. Its function is to be able to repair leaks caused by accidental perforations, or incorrect cuts.

In order to install the joint correctly note the following instructions:

1. Make a cut on the damaged pipeline equal to the length L=70 mm

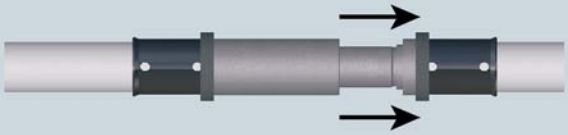


2. Remove the damaged piece and slightly bend the pipe from one side in order to insert the fitting. Be careful to round off the inner edge of the multilayer pipe before insertion



3. Replace with the repair joint, aligning it with the pipe at either end

4. To complete insertion extend the joint, so that the pipe is visible in the holes near the ring



5. Now you can press home on the bushes and the damage is repaired.

The repair and expansion joint is available in the following sizes:

Art. 5926 1401	Size 14x2
Art. 5926 1601	Size 16x2
Art. 5926 2001	Size 20x2
Art. 5926 2002	Size 20x2,25
Art. 5926 1602	Size 16x2,25
Art. 5926 1801	Size 18x2
Art. 5926 2003	Size 20x2,5

Consult the dimensional sheets on the catalogue