

Product Description

Fittings type Push-fit for plumbing and heating, available in brass and PPSU.

ixPress2 fittings are specifically designed for attachment to Multipex multilayer pipes PEX/Al/PEX and PERT/Al/PERT.

In the brass version, the material used is exclusively European brass of the best quality (CW617N), in compliance with the health legislation of the most demanding countries of the European Union.

Material	Composition					
	Cu	Al	Fe	Ni	Pb	Sn
Brass CW617N	57,0 – 59,0	max .0,05	max. 0,30	*max. 0,1	*1,6 – 2,2	max. 0,30

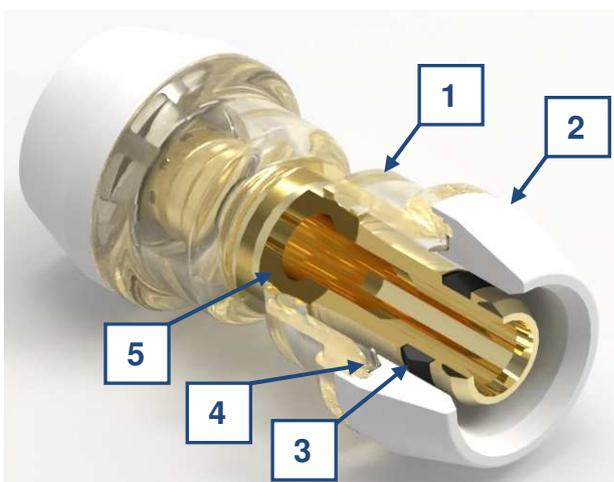
* low lead and nickel content according European Directive 98/83 / CE and German standard DIN 50930

The material used for the PPSU type shows high performance to be used in drinking water installations:

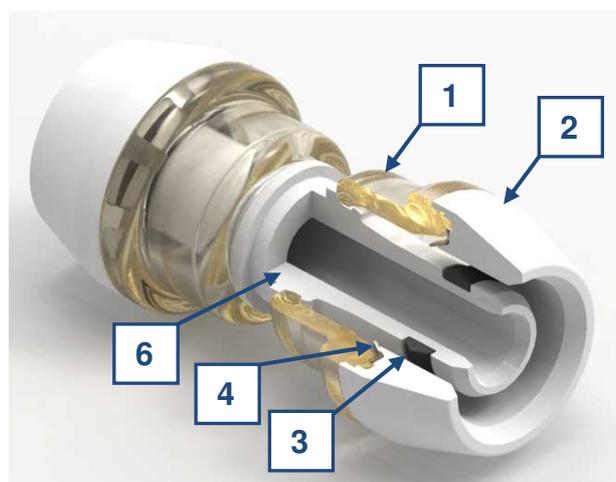
- **Low internal rugosity:** less pressure loss in comparison to brass fittings.
- **High chemical resistance:** this material is not attacked by water chlorine. It doesn't show galvanic corrosion or rusting. Additionally, it is not attacked by building materials.
- **Weight:** PPSU fittings are much lighter than brass fittings.
- **High impact resistance:** PPSU fittings are highly tough and durable. They withstand hard impacts without fracturing.
- **High heat resistance:** the material withstands temperatures up to 134°C.

List of Components:

Order No.	Name	Material	Manufacturing process
1	Lower cap	PPSU transparent	Inyection moulding
2	Upper cap	PPSU light beige colour	Inyection moulding
3	Gasket	EPDM/70-PEROX	Inyection moulding
4	Retainer ring	Stainless Steel AISI 316	Cut and stamping
5	Brass body	CW617N	Machining / stamping
6	PPSU body	PPSU (Polyphenylsulfone)	Inyection moulding



Brass fitting



PPSU fitting

Technical characteristics of ixPress2 system

- **Conic design of the final part of the body of the fitting.** This design improves the safety of the union when the union is working under stresses and flexion efforts.
- **Sealing gasket much wider than traditional O-rings.** This greater width reduces the risk of joint displacement when fitting the pipe in the fitting.
- **Higher sealing gasket on the nipple level.** This increased lift increases the safety of the fitting as it absorbs the dimensional tolerances of the pipe.
- **Cap with swivel capacity:** it allows to orient the fitting according to the needs of the installer.
- **Maximum pipe length inserted into the external cap of the fitting.** The design of the fitting allows the pipe to be introduced till the end of the fitting. This improves the safety of the union.
- **Visual comprobation of the safety of the union.** The external transparent cap of the ixPress2 fittings will let you check visually that the pipe has been correctly introduced.
- **Design of inox retainer.** The retainer ring is designed so that the force of insertion of the pipe is minimal and, instead, so that the force necessary for the extraction of the pipe is very high.
- **Brass with low lead content.** The brass alloy used in ixPress2 fittings contains a low lead content, so that it meets the most stringent European regulations concerning materials in contact with drinking water (European Directive 98/83/CE, German standard DIN 50930, 4MS Composition List of accepted metallic materials).

Assembly instructions

Follow these 3 simple steps and you will get your plumbing and heating installations done in a quick and 100% safe way thanks to the ixPress2 technology.



1.- Calibrate

Calibrate the pipe with a calibrator that chamfers the pipe correctly. Check that the end of the pipe is free of pipe chips.



2.- Assembly

Insert the pipe into the fitting.



3.- Press

Make sure the pipe is visible through the transparent cap. Without waits. You can proceed immediately with the pressure test.

Recommendations

- Cut the pipe with a proper pipe-cutter, making sure that the cut is clean.
- Check that the end of the pipe is free of pipe chips.
- Use exclusively Blansol pipes



For threaded fittings, avoid the use of chemical sealants as far as possible. In any case, avoid its contact with the ixPress caps.

Range of diameters

Range of diameters of fittings ixPress2: 16, 20, 25 and 32.

Human error proof security

ixPress2 system technology ensures safety in your plumbing and heating installations.

The ixPress2 is a human error proof accessory as this technology eliminates the risk of leakage due to displacement of the O-rings. If the multilayer pipe is not calibrated correctly, it will be impossible to insert into the fitting. Avoid the risk of leaks with ixPress2 technology. BLANSOL has managed to overcome the weak point that other push-fit type fittings have, which is how to absorb the dimensional variations that occur in the pipes, variations that affect the compression force and, therefore, the security of the joints.

Certifications

ixPress2 fitting has been designed and manufactured under the requirements specified in the standard UNE EN ISO 21003.

The thread of the fittings is cylindrical according to ISO 228.

The ixPress2 system with brass fitting has the Product Certificate issued by Gosstandard (Russian standard) and WRAS (English standard).



The ixPress2 system with PPSU fitting has the Product Certificate issued by Gosstandard (Russian standard).

Labeled

Box labeling:

Part number of piece, the product description (5 languages), dimensions, the barcode, units per box, the traceability (WYYW) and certifications.



Individual bag labeling:

Part number of piece, the product description (5 languages), dimensions, the barcode, traceability (WYYW) and certifications.



Warranty Barbi

Pipes and brass fittings for the connection system ixPress, are guaranteed for a maximum amount of 1,5 million euros, for 25 years, for damages caused by defects in the product design or manufacturing default.

