

Removing instructions

The **TURBO PUSH** fitting is **reusable**: if during installation any variation from the initial project is required, the fitting can be easily reused through accurate but simple actions:



1) Cut the pipe in the proximity of the fitting connection, and unscrew the plastic holder with the help of pliers.

2) Remove the pipe from the fitting.



3) Slide the stainless steel grip ring (one way removable).

4) Re-assemble the metal grip ring in the fitting and screw the plastic holder. If the metal grip ring has been damaged during disassembly, its substitution is recommended.

WARNING: as the fitting is not protected anymore with its original protection cap, we recommend to uninstall the connection just before the new assembly and protect the O-ring. Leaving the piece of pipe in the fitting before use it again is a good way to protect it while not used.

Certifications DVGW and EN 21003

The **TURBO PUSH** system (TURBO PUSH fittings and TURBO PEX and TURBO PERT pipe) is DVGW and EN 21003 approved.





TURBO[®]
PUSH

PUSHFITTING
System

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To ensure the quality and technical standards at the highest level, the manufacturer reserves the right to alter the specifications without notice.
This documentation supersedes and replaces all previous editions.

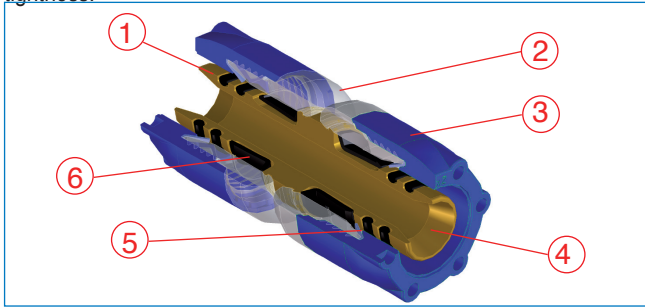


Introduction

TURBO PUSH is a **patented** press fittings system to connect multilayer pipe and quick connecting brass fittings ranging from 16 to 26 mm.

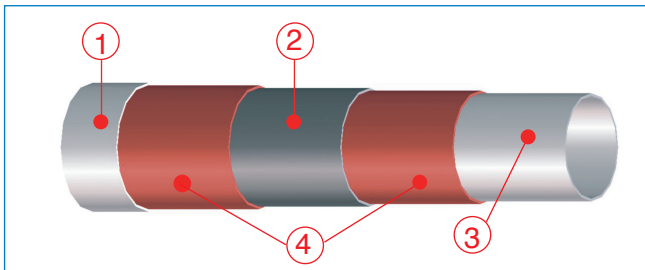
• **TURBO PUSH** made of CW617N brass **fittings**, with integrated hose tail and two ageing-resistant and leak proof EPDM rings, withstands high pressure and high temperature ensuring the hydraulic tightness.

The inside stainless steel ring enables an easy insertion of the pipe preventing the pipe from getting out and ensuring the mechanical tightness.



- 1) EPDM O-ring (ethylene, propylene) suitable for food.
- 2) Lower PSU (polysulfone) transparent ring.
- 3) Ghiera superiore in PA (poliammide).
- 4) Brass body according to the european EN12164 - EN12165 standards.
- 5) Stainless steel AISI 430 grip.
- 6) PA non conducting ring (polyamide).

• **Multilayer pipes** TURBO PEX (PE-Xc/Al/PE-Xb) and TURBO PERT (PE-RT/Al/PE-RT) are made of 99% pure aluminium and polyethylene co-extruded layers, which are bonded together by means of a high resistant adhesive. PE-Xc is made of cross linked polyethylene "C" type (by means of electron radiation), whereas PE-RT is made of non-cross linked polyethylene.



- 1) • **TURBO PEX**: PE-Xb outer film obtained by a silane cross-linked PE-HD. It ensures high-protection against atmospheric agents.
 - **TURBO PE-RT**: PE-RT outer layer with high tenacity, high temperature and suitable for outdoor installation pressure resistance.
- 2) Longitudinal butt-welded aluminium film.
- 3) • **TURBO PEX**: PE-Xc inner film obtained by an electronic rayed cross linked PE-HD.
 - **TURBO PE-RT**: PE-RT inner layer with high tenacity, high temperature and pressure resistance.
- 4) High performance adhesive.

Pipe and fittings are quickly and easily assembled and do not require any sophisticated tools. A simple cutter and a specific deburring tool, allow to prepare the pipe for assembling. It is then enough to **press and rotate** the pipe into the fitting to ensure the installation. The transparent plastic ring allows the visual verification of the correct assembling. We recommend to cut the pipe perpendicularly with a **cutter with a sharp blade and carefully deburr the pipe** (with our deburring tool art. 50U350 and 50U400) before assembling, to avoid any possible damage of the inside O-ring.



Advantages

The **TURBO PUSH system** combines the absolute efficiency of the connections with the very quick installation of the pipeline:

- Quick and easy preparation of the pipe.
- Quick and easy installation, easy inspect.
- Re-movable and re-usable in case of mistake in installation.
- Suitable to be installed underground and **behind the wall**.
- High tightness.
- Long life time.
- Protection against corrosion, biochemical and electrochemical effects.

A multilayer pipe is a really good alternative to only-plastic and only-metallic pipes, normally used in installation systems. A two different material combination provides all the advantages of both plastic and metal:

- Low drop loss thanks to a low inner roughness.
- Low thermal conductivity rate.
- Low linear expansion factor.
- It can work at a **max temperature of 95°C**.
- It can work at a **max pressure of 10 bar**.
- Oxygen-proof.
- No noise: the inner plastic film makes it noise-proof.
- Non-toxic: suitable for food products.
- Ease in handling and installation.
- Can be easily bended, even at low temperature.
- Holds the desired shape.

Applications

The **TURBO PUSH system** is suitable for household, industrial and naval applications. Thanks to the quality and reliability of materials, the **TURBO PUSH system** is the ideal solution for drinking water and sanitary applications. It can be also used for heating plants, with low and high temperature, air conditioning and climatization, machinery, fire-prevention plants and compressed air systems, of compatible with fluids used.

