

Product Data Sheet

5/12/2026

Seals & Fittings

CLEVERFIT Radial Plug

Romania - Purmo



- Leak Prevention
- High Durability
- Chemical Resistance
- Easy Installation
- Versatile Use

Description

Designed for high-performance in heating and plumbing applications, the CLEVERFIT Radial Plug incorporates PPSU material technology for exceptional resistance to chemicals, high temperatures, and pressures. Its “Leak Before Press” feature provides a visible indicator of non-pressed fittings to prevent system failures. Available in multiple sizes and compatible with various pipe profiles for versatile installations.

Area of Application

CLEVERFIT Radial Plug is suitable for heating and water supply systems. It’s ideal for both cold and hot water installations, with a temperature range up to 90°C and project pressure up to 10 bar. Certified for drinking water systems in compliance with DIN EN 21003, DVGW and local standards.

Selection Criteria

For accurate selection, utilize our design service or refer to our brochure for quick selection methods.

Basic User Instructions

Ensure the pipe end is cut perpendicularly and deburred. Insert into the press fitting until fully seated. Use designated pressing tools with corresponding profiles (TH or U) to secure the fitting. Check for correct placement through the viewing window. Ensure that the system is tested under pressure to confirm leak-free assemblies.

Prescription text specifiers

The CLEVERFIT Radial Plug is constructed from PPSU, offering high resistance to stress, temperature, and aggressive and corrosive water properties. The plug includes dual deep-seated O-rings for secure sealing and a unique “Leak Before Press” feature for visible leak detection at pressures over 1 bar. Suitable for applications in various heating and water distribution systems, it maintains its integrity under a project temperature of 90°C, a maximum temperature of 100°C, and a working pressure of up to 10 bar. Additionally, it features a MULTITOOL function allowing the use of two different pressing profiles: TH and U.

Warranty

Specification

| Feature | Unit | Value |
|--|----------------------|--|
| Etim Class | | EC003024 - Fitting with 2 connections |
| Depth | Millimetre (mm) | 23.3, 27.3 |
| Weight | Kilogram (kg) | 0.0277, 0.039 |
| Height | Millimetre (mm) | 23.3, 27.3 |
| Model | | 2-part |
| Shape | | Straight |
| Connection 1 | | Press sleeve |
| Connection 2 | | Internal thread metric |
| Length | Millimetre (mm) | 31 |
| Surface protection connection 1 | | Nickel-plated |
| Surface treatment connection 1 | | Pickled |
| Surface protection connection 2 | | Galvanic/electrolytic zinc plated |
| Surface treatment connection 2 | | Other |
| Contour code connection 1 | | Several |
| Contour code connection 2 | | Several |
| Max. operating pressure at max. medium temperature | Bar (bar) | 10 |
| Main colour fitting | | Other |
| With connection indicator | | Yes |
| Zeta value | | 1.5, 5.4 |
| Capped | | No |
| With sealing rings/gaskets | | Yes |
| Nominal diameter connection 2 | | 2 inch (50) |
| Eccentric | | No |
| With drain valve | | No |
| With de-aerator | | No |
| Outer pipe diameter connection 1 | Millimetre (mm) | 16, 20 |
| Outer pipe diameter connection 2 | Millimetre (mm) | 50 |
| With buffer stud | | No |
| Wall thickness, connection 1 | Millimetre (mm) | 2, 3 |
| Material sealing | | Ethylene-propylene diene monomer rubber (EPDM) |
| Reducing | | Yes |
| Max. operating pressure at 20 °C | Bar (bar) | 10 |
| Medium temperature (continuous) | Degrees celsius (°C) | 70, 95 |
| Nominal diameter connection 1 | | DN 12, DN 15 |
| With thermal insulation | | No |
| High tensile strength | | Yes |

| Feature | Unit | Value |
|-------------------------------|-------------|--------------------|
| System specific | | Yes |
| Material connection 1 | | Brass |
| Material connection 2 | | Brass |
| Material quality connection 1 | | CuZn39Pb3 (CW617N) |
| Material quality connection 2 | | CuZn39Pb3 (CW617N) |

Resources

| Document Description | Document Type | Link |
|----------------------|---------------|------|
|----------------------|---------------|------|

Items

| Global Item Code | Item Description |
|------------------|-----------------------|
| FAZ4S16A000000E0 | Stop end CFpress 16x2 |
| FAZ4S20A000000E0 | Stop end CFpress 20x2 |