

Product Data Sheet

4/19/2025

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
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Items

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