

Product Data Sheet

4/25/2025

Seals & Fittings

CLEVERFIT Radial Radiator connector L shape

Romania - Purmo



- **Leak Detection Feature**
- **High Durability**
- **Easy Installation**
- **Versatile Compatibility**
- **Safe for Potable Water**

Description

CLEVERFIT Radial Radiator Connections, made from durable PPSU, offer high resistance to stress and temperature, making them ideal for heating and potable water systems. The design includes deep-seated O-rings and a specialized pressing mechanism to ensure leak-free connections. The Leak Before Press feature ensures system integrity by signaling unpressed joints, preventing potential issues.

Area of Application

CLEVERFIT Radial Radiator Connections are ideal for heating and potable water installations. They support applications in heating systems with a maximum working pressure of 10 bar, and a design temperature of 90°C. Suitable for use in aggressive or corrosive water conditions.

Selection Criteria

Selection criteria is based on installation type, connection dimensions, and system pressure requirements. For detailed guidance, use our design service or refer to our brochure.

Basic User Instructions

Ensure compatibility with existing systems before installation. The connections utilize PPSU material, resistant to high temperatures and stress. Two deep-seated O-rings prevent leaks. Insert the pipe securely into the fitting until visible from the inspection window. Ensure fittings are properly pressed using the TH or U pressing profiles to activate the Leak Before Press feature.

Prescription text specifiers

CLEVERFIT Radial Radiator Connections are constructed of PPSU, providing robust resistance to high temperatures, stresses, and various aggressive water conditions, making them ideal for heating and potable water systems. They feature double O-rings for secure, leak-proof connections and a "Leak Before Press" mechanism to detect unpressed fittings, ensuring system integrity. Available in diameters from 16-32 mm, these connections are compatible with TH and U profile pressing tools, meeting the highest standards for installation environments with a maximum working pressure of 10 bar and a design temperature of up to 90°C.

Warranty

Specification

Feature	Unit	Value
Etim Class		EC003024 - Fitting with 2 connections
Depth	Millimetre (mm)	23.3
Weight	Kilogram (kg)	0.1963
Height	Millimetre (mm)	361.65
Model		2-part
Shape		Other
Connection 1		Press sleeve
Connection 2		Press sleeve
Length	Millimetre (mm)	51.5
Surface protection connection 1		Nickel-plated
Surface treatment connection 1		Pickled
Surface protection connection 2		Nickel-plated
Surface treatment connection 2		Pickled
Contour code connection 1		Several
Contour code connection 2		TH/U/H
Max. operating pressure at max. medium temperature	Bar (bar)	10
Main colour fitting		Other
With connection indicator		Yes
Zeta value		5.4
Capped		No
With sealing rings/gaskets		Yes
Nominal diameter connection 2		DN 12
Eccentric		Yes
With drain valve		No
With de-aerator		No
Outer pipe diameter connection 1	Millimetre (mm)	16
Outer pipe diameter connection 2	Millimetre (mm)	15
With buffer stud		No
Wall thickness, connection 1	Millimetre (mm)	2
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
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
FAZ5E16A03C000E0	RadCon CFpress"L"300mm 16x15