

Product Data Sheet

4/19/2025

Seals & Fittings

CLEVERFIT Radial Wall elbow

Romania - Purmo



- Durability
- Leak Protection
- Easy Installation
- Versatile Application
- Chemical Resistance

Description

The Cleverfit Radial Wall Elbow is engineered from durable PPSU, providing excellent resistance to temperature (up to 90°C) and pressure (up to 10 bar). Designed for both heating and drinking water installations, it features a dual O-ring seal for enhanced leak protection and a control window for easy installation verification. The 'Leak Before Press' technology makes it easy to identify unsecured connections, ensuring system integrity and reducing maintenance costs.

Area of Application

The Cleverfit Radial Wall Elbow is suitable for:

1. Heating installations
2. Drinking water installations
3. Aggressive and corrosive water environments
4. High temperature applications up to 90°C
5. High pressure systems with a maximum pressure of 10 bar

Selection Criteria

Use our design service, or for quick selection, refer to our brochure.

Basic User Instructions

Ensure proper positioning of the pipe into the elbow until it is visible through the inspection window. Seal the connection using an appropriate pressing tool, ensuring pressure is above 1 bar to activate the 'Leak Before Press' feature. Periodically check seals and re-tighten if necessary. Maintain a clean installation environment to prevent debris from interfering with the connections.

Prescription text specifiers

Cleverfit Radial Wall Elbow is a press-fitted PPSU connector highly resistant to stress and temperatures up to 90°C and pressures up to 10 bar. It features dual O-ring seals for reliable leak protection and a window for correct pipe positioning. Suitable for both heating and drinking water systems, it includes 'Leak Before Press' technology to detect unsecured connections and reduce maintenance needs. Certified by DVGW and PZH for compliance with drinking water standards, ensuring safe and hygienic operation.

Warranty

Purmo radiators are warranted for a period of 10 years* from date of purchase against all manufacturing defects when they are used in normal conditions and for a heating system with hot water. The warranty does not apply to defects caused by installation or handling errors, misuse or factors external to the radiators, such as water quality or oxygen-permeable pipes.

Underfloor heating products and piping systems elements are warranted for a period of 10 years**.

* 6 years for galvanized radiators and 2 years for all electronic and electric components and spare parts sold separately (side covers, top grilles, plastic clips, plugs, air vents, fixing parts)

** 30 years for PexPenta pipes

Specification

Feature	Unit	Value
Etim Class		EC003024 - Fitting with 2 connections
Depth	Millimetre (mm)	23.4, 54, 66, 79
Weight	Kilogram (kg)	0.0433, 0.1191, 0.1278, 0.14, 0.1497, 0.1527, 0.18, 0.23, 0.3543, 0.3682, 0.3829, 0.42, 0.49
Height	Millimetre (mm)	48, 52, 59, 68
Model		2-part
Shape		Elbow (fitting)
Connection 1		Press sleeve
Connection 2		Internal thread metric
Length	Millimetre (mm)	100, 213, 64, 70
Bend angle	Degrees (°)	90
Surface protection connection 1		Nickel-plated, Untreated
Surface treatment connection 1		Pickled, Untreated
Surface protection connection 2		Galvanic/electrolytic zinc plated, Untreated
Surface treatment connection 2		Other, Untreated
Contour code connection 1		Several, TH/U
Contour code connection 2		Several, TH/U
Max. operating pressure at max. medium temperature	Bar (bar)	10
Main colour fitting		Other
With connection indicator		Yes
Zeta value		11.5, 5.2, 7.5, 9
Capped		No
With sealing rings/gaskets		Yes
Nominal diameter connection 2		1/2 inch (15)
Eccentric		No, Yes
With drain valve		No
With de-aerator		No
Outer pipe diameter connection 1	Millimetre (mm)	16, 20
Outer pipe diameter connection 2	Millimetre (mm)	15
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

Feature	Unit	Value
Medium temperature (continuous)	Degrees celsius (°C)	70, 95
Nominal diameter connection 1		DN 12, DN 15
With thermal insulation		No
High tensile strength		Yes
System specific		Yes
Material connection 1		Brass, Polyphenylsulfone (PPSU)
Material connection 2		Brass, Polyphenylsulfone (PPSU)
Material quality connection 1		CuZn39Pb3 (CW617N), Other
Material quality connection 2		CuZn39Pb3 (CW617N), Other

Resources

Document Description	Document Type	Link
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Items

Global Item Code	Item Description
FAZ4B12F16A035E0	Radial onwall set 16x1/2"; 35mm
FAZ4B12F16A052E0	Radial onwall set 16x1/2"; 52mm
FAZ4B12F20A035E0	Radial onwall set 20x1/2"; 35mm
FAZ4B12F20A052E0	Radial onwall set 20x1/2"; 52mm
FAZ4B16A12F000E0	WallElb CFpress onwall 16x1/2";
FAZ4B16A12F16AE0	WallElb CFpress double 16x1/2";
FAZ4B20A12F20AE0	WallElb CFpress double 20x1/2";
FAZ4W12F16A000E0	WallElb CFpress short 16x1/2";
FAZ4W12F16A035E0	Radial WallElb 16x1/2"; 35 mm
FAZ4W12F16A052E0	Radial WallElb 16x1/2"; 52 mm
FAZ4W12F16A078E0	Radial WallElb 16x1/2"; 78 mm
FAZ4W12F16ALONE0	WallElb CFpress long 16x1/2";
FAZ4W12F20A000E0	WallElb CFpress short 20x1/2";
FAZ4W12F20A035E0	Radial WallElb 20x1/2"; 35 mm
FAZ4W12F20A052E0	Radial WallElb 20x1/2"; 52 mm
FAZ4W12F20A078E0	Radial WallElb 20x1/2"; 78 mm
FAZ4W12F20ALONE0	WallElb CFpress long 20x1/2";
FAZ8W12F16A000E0	WallElb PPSU CFpress 16x1/2";