

Product Data Sheet

5/24/2025

Seals & Fittings

CLEVERFIT Radial Tee

Romania - Purmo



- High Durability
- Leak Before Press
- Chemical Resistance
- Multi-Profile Compatibility
- Easy Installation

Description

The CLEVERFIT Radial Tee features a PPSU body resistant to stress, high temperatures, and corrosive water. It includes two deep-seated O-rings for enhanced sealing and durability, a special positioning ring for tool alignment, and an inspection window to verify pipe placement. Unique Leak Before Press function ensures no false tightness. Multi-profile compatibility allows versatile press connection methods.

Area of Application

CLEVERFIT Radial Tee 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 product selection, refer to our design service or use our brochure for quick selection. Ensure compatibility with specified pipe diameters and system requirements.

Basic User Instructions

Ensure pipes are correctly sized and prepared before installation. Insert the pipe fully into the fitting, aligning with the tool's jaws to perform pressing. Check for proper alignment through the inspection window. Utilize the Leak Before Press feature to confirm a secure join with water pressure testing above 1 bar. Use suitable profiles (TH or U) for pressing assemblies.

Prescription text specifiers

The CLEVERFIT Radial Tee, featuring a PPSU body, is engineered for reliability and ease of installation in heating and water supply systems. Suitable for use in potable water and heating applications, it can operate at temperatures up to 90°C and pressures up to 10 bar. The fitting includes two deep-seated O-rings and a special positioning ring for enhanced sealing and tool alignment. It features the Leak Before Press function, which visibly leaks water at pressures above 1 bar if unpressed, preventing false sealing. The multi-profile compatibility allows the use of TH and U profiles, facilitating quick and secure connections. Certified for use in plumbing systems, this fitting ensures high hygiene and durability standards.

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		EC003025 - Fitting with 3 connections
Depth	Millimetre (mm)	23.3, 23.4, 27.3, 27.4, 33.3, 33.4, 33.6, 39, 39.3, 47.4, 57.4, 70
Weight	Kilogram (kg)	0.0395, 0.0436, 0.0474, 0.0479, 0.0529 ... 1.2156, 1.2561, 1.3227, 1.3371, 1.3776
Height	Millimetre (mm)	108, 113.5, 31.5, 33.5, 34 ... 86, 93.5, 94, 97.5, 99.5
Model		T-piece
Connection 1		Press sleeve
Connection 2		External thread metric, Press sleeve
Angle	Degrees (°)	90
Swept entry type (with inner radius)		No
Surface protection connection 1		Galvanic/electrolytic zinc plated, Other
Surface treatment connection 1		Other, Pickled
Surface protection connection 2		Other, Untreated
Surface treatment connection 2		Other, Untreated
Material connection 3		Brass, Polyphenylsulfone (PPSU)
Material quality connection 3		CuZn39Pb3 (CW617N), Other
Surface protection connection 3		Galvanic/electrolytic zinc plated, Other
Surface treatment connection 3		Other, Pickled
Contour code connection 1		TH, TH/U/H
Contour code connection 2		TH, TH/U/H
Contour code connection 3		TH/U/H
Max. operating pressure at max. medium temperature	Bar (bar)	10
Main colour fitting		Other
With connection indicator		Yes
Capped		No
With sealing rings/gaskets		Yes
Nominal diameter connection 2		1 1/4 inch (32), 1 inch (25), 1/2 inch (15), 3/4 inch (20), DN 20, DN 32, DN 40, DN 50, DN 63, Other
Nominal diameter connection 3		DN 12, DN 15, DN 20, DN 25, DN 32, DN 40, DN 50, DN 63, Other
Connection 3		Press sleeve
With drain valve		No
With de-aerator		No
Outer pipe diameter connection 1	Millimetre (mm)	16, 20, 26, 32, 40

Feature	Unit	Value
Outer pipe diameter connection 2	Millimetre (mm)	15, 20, 25, 32
Outer pipe diameter connection 3	Millimetre (mm)	16, 20, 26, 32, 40
With buffer stud		No
Wall thickness, connection 3	Millimetre (mm)	2, 3, 3.5
Wall thickness, connection 1	Millimetre (mm)	2, 3, 3.5
FM quality mark		No
UL quality mark		No
ULC quality mark		No
LPCB quality mark		No
Material sealing		Ethylene-propylene diene monomer rubber (EPDM)
Reducing		No, 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, DN 20, DN 25, DN 32, DN 40, DN 50, DN 63, Other
With thermal insulation		No
High tensile strength		No, Yes
System specific		Yes
Material connection 1		Brass, Polyphenylsulfone (PPSU)
Material connection 2		Brass, Polyphenylsulfone (PPSU)
Material quality connection 1		CuZn40Pb2 (CW617N), Other
Material quality connection 2		CuZn39Pb3 (CW617N), Other
Multi-part		No, Yes

Resources

Document Description	Document Type	Link
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Items

Global Item Code	Item Description
FAZ4T16A12F16AE0	Tee CFpress F 16x1/2"x16
FAZ4T16A12M16AE0	Tee CFpress M 16x1/2"x16
FAZ4T16A16A16AE0	Tee CFpress 16x16x16
FAZ4T16A20A16AE0	Tee CFpress 16x20x16
FAZ4T16A26A16AE0	Tee CFpress 16x26x16
FAZ4T20A12F20AE0	Tee CFpress F 20x1/2"x20
FAZ4T20A12M20AE0	Tee CFpress M 20x1/2"x20
FAZ4T20A16A16AE0	Tee CFpress 20x16x16
FAZ4T20A16A20AE0	Tee CFpress 20x16x20
FAZ4T20A20A16AE0	Tee CFpress 20x20x16
FAZ4T20A20A20AE0	Tee CFpress 20x20x20
FAZ4T20A26A16AE0	Tee CFpress 20x26x16
FAZ4T20A26A20AE0	Tee CFpress 20x26x20
FAZ4T20A32A20AE0	Tee CFpress 20x32x20
FAZ4T20A34F20AE0	Tee CFpress F 20x3/4"x20
FAZ4T20A34M20AE0	Tee CFpress M 20x3/4"x20
FAZ4T26A12F26AE0	Tee CFpress F 26x1/2"x26
FAZ4T26A16A16AE0	Tee CFpress 26x16x16
FAZ4T26A16A20AE0	Tee CFpress 26x16x20
FAZ4T26A16A26AE0	Tee CFpress 26x16x26
FAZ4T26A20A16AE0	Tee CFpress 26x20x16
FAZ4T26A20A20AE0	Tee CFpress 26x20x20
FAZ4T26A20A26AE0	Tee CFpress 26x20x26
FAZ4T26A26A16AE0	Tee CFpress 26x26x16
FAZ4T26A26A20AE0	Tee CFpress 26x26x20
FAZ4T26A26A26AE0	Tee CFpress 26x26x26
FAZ4T26A32A26AE0	Tee CFpress 26x32x26
FAZ4T26A34F26AE0	Tee CFpress F 26x3/4"x26
FAZ4T26A34M26AE0	Tee CFpress M 26x3/4"x26
FAZ4T32A16A32AE0	Tee CFpress 32x16x32
FAZ4T32A20A26AE0	Tee CFpress 32x20x26
FAZ4T32A20A32AE0	Tee CFpress 32x20x32
FAZ4T32A26A20AE0	Tee CFpress 32x26x20
FAZ4T32A26A26AE0	Tee CFpress 32x26x26
FAZ4T32A26A32AE0	Tee CFpress 32x26x32

Global Item Code	Item Description
FAZ4T32A32A16AE0	Tee CFpress 32x32x16
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FAZ4T32A32A26AE0	Tee CFpress 32x32x26
FAZ4T32A32A32AE0	Tee CFpress 32x32x32
FAZ4T32A44F32AE0	Tee CFpress F 32x1"x32
FAZ4T32A44M32AE0	Tee CFpress M 32x1"x32
FAZ4T40A26A32AE0	Tee CFpress 40x26x32
FAZ4T40A26A40AE0	Tee CFpress 40x26x40
FAZ4T40A32A32AE0	Tee CFpress 40x32x32
FAZ4T40A32A40AE0	Tee CFpress 40x32x40
FAZ4T40A40A32AE0	Tee CFpress 40x40x32
FAZ4T40A40A40AE0	Tee CFpress 40x40x40
FAZ4T40A54F40AE0	Tee CFpress F 40x1 1/4"x40
FAZ4T50A26A50AE0	Tee CFpress 50x26x50
FAZ4T50A32A40AE0	Tee CFpress 50x32x40
FAZ4T50A32A50AE0	Tee CFpress 50x32x50
FAZ4T50A40A40AE0	Tee CFpress 50x40x40
FAZ4T50A40A50AE0	Tee CFpress 50x40x50
FAZ4T50A50A50AE0	Tee CFpress 50x50x50
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FAZ4T63A40A63AE0	Tee CFpress 63x40x63
FAZ4T63A50A63AE0	Tee CFpress 63x50x63
FAZ4T63A63A63AE0	Tee CFpress 63x63x63
FAZ8T16A16A16AE0	Tee PPSU CFpress 16x16x16
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FAZ8T20A20A20AE0	Tee PPSU CFpress 20x20x20
FAZ8T26A16A20AG0	Tee PPSU Radial 26x16x20
FAZ8T26A16A26AE0	Tee PPSU CFpress 26x16x26
FAZ8T26A20A16AG0	Tee PPSU Radial 26x20x16
FAZ8T26A20A20AE0	Tee PPSU CFpress 26x20x20
FAZ8T26A20A26AE0	Tee PPSU CFpress 26x20x26
FAZ8T26A26A26AE0	Tee PPSU CFpress 26x26x26
FAZ8T32A16A32AG0	Tee PPSU Radial 32x16x32
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FAZ8T32A26A20AG0	Tee PPSU Radial 32x26x20
FAZ8T32A26A26AE0	Tee PPSU CFpress 32x26x26
FAZ8T32A26A32AE0	Tee PPSU CFpress 32x26x32
FAZ8T32A32A32AE0	Tee PPSU CFpress 32x32x32