

# Product Data Sheet

5/24/2025

Seals & Fittings

## CLEVERFIT Compression tee

Romania - Purmo



- Secure connection
- Easy to install
- High pressure capacity
- Temperature resistant
- Wide application range

## Description

The CLEVERFIT Compression Tee is engineered to provide secure and durable connections in heating systems. It supports compression fittings, allowing for quick and easy installation without compromising reliability. Suitable for a wide range of applications, it can withstand operating pressures up to 10 bar and temperatures up to 120°C. Ideal for central heating and underfloor heating systems, this tee fitting is a must-have for any professional installer looking for quality and performance.

## Area of Application

CLEVERFIT Compression Tee is ideal for use in central heating systems, connecting radiators, and underfloor heating systems. It supports compression connections, ensuring secure and reliable fittings for various heating applications involving water and other fluids up to operating pressures of 10 bar and temperatures up to 120°C.

## Selection Criteria

For selecting the appropriate CLEVERFIT Compression Tee, consider the system pressure, temperature requirements, and pipe diameter. For detailed assistance, use our design service or refer to our brochure.

## Basic User Instructions

Ensure all components are clean and the pipe ends are cut square. Insert the pipe fully into the fitting until it reaches the stop. Tighten the nut onto the fitting body using a wrench until secure. Do not overtighten as this may damage the fitting and compromise the seal. Regular inspection is advised to maintain optimal performance.

## Prescription text specifiers

CLEVERFIT Compression Tee offers secure and reliable connections for heating systems. Compatible with 10 bar pressure and 120°C temperature, it is perfect for central heating and underfloor heating applications. Easy-to-install, it features robust compression fittings ensuring leak-proof and durable joints. Ideal for connecting radiators and other heating components. Regular maintenance and checks are recommended to ensure optimal performance and longevity.

## 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)	27, 30
Weight	Kilogram (kg)	0.161, 0.268, 0.28
Height	Millimetre (mm)	50, 52, 54
Model		T-piece
Connection 1		Press sleeve
Connection 2		Press sleeve
Swept entry type (with inner radius)		No
Surface protection connection 1		Other
Surface treatment connection 1		Other
Surface protection connection 2		Other
Surface treatment connection 2		Other
Material connection 3		Polyphenylsulfone (PPSU)
Material quality connection 3		Other
Surface protection connection 3		Other
Surface treatment connection 3		Other
Contour code connection 1		TH
Contour code connection 2		TH
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		Other
Nominal diameter connection 3		Other
Connection 3		Press sleeve
With drain valve		No
With de-aerator		No
With buffer stud		No
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

Feature	Unit	Value
Max. operating pressure at 20 °C	Bar (bar)	10
Medium temperature (continuous)	Degrees celsius (°C)	70, 95
Nominal diameter connection 1		Other
With thermal insulation		No
High tensile strength		No
System specific		Yes
Material connection 1		Polyphenylsulfone (PPSU)
Material connection 2		Polyphenylsulfone (PPSU)
Material quality connection 1		Other
Material quality connection 2		Other
Multi-part		Yes

# Resources

Document Description	Document Type	Link
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## Items

Global Item Code	Item Description
FAZ1T16A16A16A00	Tee set for pipe 20x2on3/4"
FAZ1T16A16A16AP0	Tee HKS Uni 16x16x16
FAZ1T20S20A20AP0	Tee set for pipe 20x2on3/4"