

Product Data Sheet

12/23/2025

Seals & Fittings

Cleverfit uni smart fitting

Romania - Purmo



- Easy installation.
- High compatibility.
- Durability.
- Visual inspection holes.
- Corrosion resistance.

Description

CLEVERFIT Uni Smart Fitting is designed for easy and efficient installation across multiple applications, including central heating, water distribution, and underfloor heating. Crafted with a brass body, nylon sleeve ring, and a stainless-steel sleeve, the fitting includes sight holes for visual inspection and ensures corrosion resistance with dielectric connectors. Compatible with PEX and multi-layer pipes, the fittings support consistent performance at high pressures and temperatures. The use of specialized pressing tools ensures long-lasting, leak-resistant connections.

Area of Application

CLEVERFIT Uni Smart Fitting is perfect for central heating, water distribution, underfloor heating, compressed air systems, and rainwater handling. It ensures reliable connections in new installations and renovations. The fitting is suitable for use with PEX and multi-layer pipes in diameters ranging from 16 mm to 32 mm, adhering to maximum working parameters of 95°C and 10 bar.

Selection Criteria

Selection criteria depend on the pipe diameter and application type. For quick selection, use our brochure or design service for customized solutions.

Basic User Instructions

To use CLEVERFIT Uni Smart Fitting, ensure that the pipe is cut perpendicularly using proper tools. Calibrate the pipe to achieve a circular shape, then insert it fully into the fitting. Use a pressing tool compatible with the fitting size and profile. This guarantees a secure and leak-proof installation. Visual inspection of the fitting through the built-in sight holes ensures correct assembly.

Prescription text specifiers

CLEVERFIT Uni Smart Fitting features a brass CW617N body, dielectric nylon sleeve ring, and AISI 304 stainless steel sleeve. It's designed for central heating, water, underfloor heating, compressed air systems, and rainwater installations. Compatible with PEX and multi-layer pipes of 16-32 mm in diameter, it ensures durability up to 95°C and 10 bar pressure. The fitting includes sight holes for visual inspection and requires proper calibration and pressing tools for installation. Ideal for both new installations and renovations, offering reliable, leak-proof connections with high corrosion resistance.

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)	30, 35
Weight	Kilogram (kg)	0.0552, 0.64, 1.7, 15, 7.4
Height	Millimetre (mm)	20, 21, 40
Model		1-part, 2-part
Shape		Straight
Wrench width	Millimetre (mm)	27
Connection 1		Internal thread metric
Connection 2		Internal thread metric
Length	Millimetre (mm)	30, 35
Tightening torque	Newtonmetre (Nm)	25, 35
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		Several
Max. operating pressure at max. medium temperature	Bar (bar)	10
Main colour fitting		Other
Wall thickness connecting pipe, connection 1	Millimetre (mm)	2
With connection indicator		Yes
Zeta value		5.4
Capped		No
With sealing rings/gaskets		Yes
Nominal diameter connection 2		3/4 inch (20)
Eccentric		No
With drain valve		No
With de-aerator		No
Outer pipe diameter connection 1	Millimetre (mm)	14, 16, 17, 20
Outer pipe diameter connection 2	Millimetre (mm)	20
Flange compression class		PN 10
With buffer stud		No
Wall thickness, connection 1	Millimetre (mm)	2
Flange standard		ANSI
FM quality mark		No
UL quality mark		No

Feature	Unit	Value
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)	5, 70, 90, 95
Nominal diameter connection 1		Other
With thermal insulation		No
High tensile strength		Yes
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
FBWAMFNE14000SR0	PURMO clamp fitting Cleverfit uni smart 14x2 mm
FBWAMFNE16000SR0	Cleverfit uni smart 16x2 mm
FBWAMFNE17000SR0	PURMO clamp fitting Cleverfit uni smart 17x2 mm
FBWAMFNE17E000P0	Coupling pipe-man. 17x2 3/4"
FBWAMFNE20000SR0	PURMO clamp fitting Cleverfit uni smart 20x2 mm