

Product Data Sheet

12/5/2025

Seals & Fittings

CLEVERFIT Compression coupling

Romania - Purmo



- Leak-proof connections
- Wide application
- High durability
- Easy installation
- Corrosion-resistant

Description

CLEVERFIT Compression Coupling combines high-quality materials with innovative design to deliver leak-proof, durable connections. Suitable for a range of applications including heating, cooling, and potable water systems, the coupling withstands up to 10 bar pressure and temperatures of 95°C. Its unique construction prevents corrosion and ensures longevity, even in demanding environments .

Area of Application

CLEVERFIT Compression Coupling is ideal for an array of installations including residential, commercial, and industrial settings. Key applications are heating and cooling systems, plumbing for potable water, and other fluid transport systems operating up to 10 bar and 95°C .

Selection Criteria

For product selection, consider the type of system, operating pressures, temperatures, and compatibility with existing infrastructure. Refer to our design service or brochure for specific needs .

Basic User Instructions

Ensure proper handling during installation to avoid damage. Fit the couplings securely to the pipes and verify tight connections to prevent leaks. Check the alignment and make sure the fittings and pipes are clean before assembly. Regularly inspect for any signs of wear or damage to maintain optimal performance .

Prescription text specifiers

CLEVERFIT Compression Coupling by Purmo provides secure, durable connections for various piping systems. Made from high-quality materials, it ensures leak-proof performance under operating pressures up to 10 bar and temperatures up to 95°C. The coupling is ideal for heating and cooling systems, potable water installations, and other fluid transport needs. It is easy to install, resistant to corrosion, and built to last, ensuring reliable performance in demanding applications. Certified for safety and efficiency, it meets the highest industry standards, making it an excellent choice for professionals .

Warranty

Specification

Feature	Unit	Value
Etim Class		EC003024 - Fitting with 2 connections
Depth	Millimetre (mm)	27, 30, 40
Weight	Kilogram (kg)	0.0677, 0.097, 0.17, 0.18, 0.2064
Height	Millimetre (mm)	38, 46, 51, 54, 55
Model		1-part, 2-part
Shape		Straight
Connection 1		Internal thread metric
Connection 2		Internal thread metric
Length	Millimetre (mm)	26.5, 30, 40
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, TH, TH/U
Contour code connection 2		Several, TH
Max. operating pressure at max. medium temperature	Bar (bar)	10
Main colour fitting		Other
With connection indicator		Yes
Zeta value		1.41, 1.5, 5.4
Capped		No
With sealing rings/gaskets		Yes
Nominal diameter connection 2		1/2 inch (15), 3/4 inch (20), DN 12, DN 15, DN 20, DN 25
Eccentric		No
With drain valve		No
With de-aerator		No
Outer pipe diameter connection 1	Millimetre (mm)	14, 16, 17, 20, 26
Outer pipe diameter connection 2	Millimetre (mm)	15, 16, 20, 25
With buffer stud		No
Wall thickness, connection 1	Millimetre (mm)	2, 3
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, Other
With thermal insulation		No

Feature	Unit	Value
High tensile strength		Yes
System specific		Yes
Material connection 1		Brass
Material connection 2		Brass
Material quality connection 1		CuZn39Pb3 (CW617N), CuZn40Pb2 (CW617N)
Material quality connection 2		CuZn39Pb3 (CW617N)

Resources

Document Description	Document Type	Link
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Items

Global Item Code	Item Description
FAZ1C34C14A000P0	SKR coupling 14x2 mm
FAZ1C34C16A000P0	Fitting Pipe-Pipe 16
FAZ1C34C17S000P0	Screw coupling nut 3/4" 17x2
FAZ1C34C20A000P0	Fitting Pipe-Pipe 20
FAZ1S12M16A12FP0	Straight HKS Uni M 16x2on1/2"
FAZ1S34F151000P0	coupling for copper pipe 15x1
FAZ1S34M26A000P0	Fitting HKS conn. M 26x3on3/4"
FAZ1S44M26A000P0	Fitting HKS conn. M 26x3 on 1"