

Product Data Sheet

4/19/2025

Seals & Fittings

CLEVERFIT Compression elbow

Romania - Purmo



- High Pressure Resistance
- Wide Temperature Range
- Durable Construction
- Corrosion Resistant
- Easy Installation

Description

Made for central heating and potable water systems, the CLEVERFIT Compression Elbow is a versatile fitting suited for both new installations and renovations. It supports an operating pressure of up to 10 bar and a temperature range up to 120°C. Its compression connection ensures a secure and leak-free fitting. The elbow's durable material can withstand high temperatures and is resistant to corrosion, ensuring longevity and reliability in your plumbing or heating systems.

Area of Application

The CLEVERFIT Compression Elbow is ideal for central heating, potable water systems, compressed air, and rainwater collection. It is used in both new installations and renovations, for residential and commercial properties with max. operating pressure of 10 bars, and temperature ranges up to 120°C.

Selection Criteria

For product selection, consider operating pressure, temperature, and connection type. Use our design service or our brochure for quick selection.

Basic User Instructions

Ensure the CLEVERFIT Compression Elbow is compatible with your piping system. When installing, make certain all connections are secure and free of stress to avoid leaks. Use proper tools to bend and fit the elbow without damaging the internal layers of the pipe. Regularly check connections for leaks during maintenance.

Prescription text specifiers

The CLEVERFIT Compression Elbow is designed for efficient 90-degree pipe connections in central heating and potable water systems. Suitable for operating pressures up to 10 bar and temperatures from -20°C to 120°C, this fitting ensures a leak-free and secure connection. Made from high-quality brass with a nickel-plated finish, it is highly resistant to corrosion, ensuring a long service life. Ideal for both new installations and renovations, it supports quick and easy installation with its simple compression fit, providing reliable performance in both residential and commercial applications.

Warranty

Specification

Feature	Unit	Value
Etim Class		EC003024 - Fitting with 2 connections
Depth	Millimetre (mm)	30, 39
Weight	Kilogram (kg)	0.121, 0.125, 0.129, 0.15, 0.155, 0.185, 0.189
Height	Millimetre (mm)	42, 45, 52, 54, 60
Model		2-part
Shape		Elbow (fitting)
Connection 1		Internal thread metric
Connection 2		Internal thread metric
Length	Millimetre (mm)	47, 48, 50, 52, 53, 54, 55
Bend angle	Degrees (°)	90
Surface protection connection 1		Nickel-plated
Surface treatment connection 1		Pickled
Surface protection connection 2		Nickel-plated
Surface treatment connection 2		Other
Contour code connection 1		Several
Contour code connection 2		Several
Max. operating pressure at max. medium temperature	Bar (bar)	10
Main colour fitting		Other
With connection indicator		Yes
Zeta value		11.5, 5.2
Capped		No
With sealing rings/gaskets		Yes
Nominal diameter connection 2		1/2 inch (15)
Eccentric		No
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
Medium temperature (continuous)	Degrees celsius (°C)	70, 95
Nominal diameter connection 1		DN 12, DN 15
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)
Material quality connection 2		CuZn39Pb2 (CW612N)

Resources

Document Description	Document Type	Link
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Items

Global Item Code	Item Description
FAZ1E12F16A000P0	Elbow F 16x2 na 1/2"
FAZ1E12F20A000P0	Elbow F 20x2 on 1/2";
FAZ1E12M16A000P0	Elbow M 16x2 on 1/2"
FAZ1E12M20A000P0	Elbow M 20x2 na 1/2"
FAZ1E16A16A000P0	Elbow set for pipe 16x2on3/4"
FAZ1E20A20A000P0	Elbow set for pipe 20x2on3/4"
FAZ1W12F16A000P0	Elbow wallplate HKS Uni F 16x2