

Product Data Sheet

4/19/2025

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) | 30, 40 |
| Weight | Kilogram (kg) | 0.097, 0.17, 0.2064 |
| Height | Millimetre (mm) | 51, 54 |
| Model | | 1-part, 2-part |
| Shape | | Straight |
| Connection 1 | | Internal thread metric |
| Connection 2 | | Internal thread metric |
| Length | Millimetre (mm) | 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 |
| 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, 5.4 |
| Capped | | No |
| With sealing rings/gaskets | | Yes |
| Nominal diameter connection 2 | | 3/4 inch (20), DN 25 |
| Eccentric | | No |
| With drain valve | | No |
| With de-aerator | | No |
| Outer pipe diameter connection 1 | Millimetre (mm) | 14, 26 |
| Outer pipe diameter connection 2 | Millimetre (mm) | 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 20, Other |
| With thermal insulation | | No |
| High tensile strength | | Yes |

| Feature | Unit | Value |
|-------------------------------|------|--|
| 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 |
|----------------------|---------------|------|
|----------------------|---------------|------|

Items

| Global Item Code | Item Description |
|------------------|------------------------------------|
| FAZ1C34C14A000P0 | SKR coupling 14x2 mm |
| FAZ1S34F151000P0 | coupling for copper pipe 15x1 |
| FAZ1S44M26A000P0 | Fitting HKS conn. M 26x3 on 1" |