

## 50-ISO13-16-RO: Standard Ø16x2 ISO 13mm Red 50m



### Commercial information

The multilayer pipes come with a round or eccentric thermal insulating material. This material is made from extruded PE foam with a closed cell. The PE foam has a sturdy outer layer made from PE with a red or blue meshed vapour tight structure. This protects the foam against damage, so that the insulating properties of the product are not lost even during rough building work.

#### Basic unit dimensions

|            |          |
|------------|----------|
| Height     | 42 mm    |
| Length     | 1,000 mm |
| Width      | 42 mm    |
| Net weight | 0.183 kg |

#### Certificates

ATG, QB (CSTBat), DVGW Wasser, ETA, KIWA, ÖVGW Wasser, SINTEF, SITAC, WRAS, KOMO, ÖN EN 21003-2/-3, GOST-R, ITC, TSU, Bureau Veritas, RISE, AFNOR, PZH, STF, ACS, DNV-GL, Aenor, Sans 21003, Kontrol Biro, EMI

#### Applications

Potable water, Heating, Cooling, Compressed air, Demi Water, Sanitary

#### Solutions

Building installations, Industry, Utility, Shipbuilding

## Technical characteristics

|                                    |                   |  |                                       |
|------------------------------------|-------------------|--|---------------------------------------|
| Quality class inner layer          | PE-Xc             | Number of layers                                   | 5                                     |
| Material intermediate layer        | Aluminium         | Outer pipe diameter                                | 16 Millimetre                         |
| Material outer layer               | Plastic (expired) | Wall thickness                                     | 2 Millimetre                          |
| Quality class outer layer          | PE-Xc             | Medium temperature (continuous)                    | - Degrees celsius<br>10 7<br>0        |
| Glass-fibre reinforced             | ✘                 | Max. medium temperature (momentarily)              | 95 Degrees celsius                    |
| Diffusion-proof                    | ✓                 | Max. operating pressure at 20 °C                   | 16 Bar                                |
| Nominal diameter                   | DN 12             | Max. operating pressure at max. medium temperature | 16 Bar                                |
| System specific                    | ✓                 | Wall roughness                                     | 0.00 Millimetre<br>7                  |
| Flexible                           | ✓                 | Expansion coefficient                              | 0.02 Millimetre per metre Kelvin<br>5 |
| Suitable for surface mounting      | ✓                 | Min. bending radius                                | 48 Millimetre                         |
| Pipe colour                        | Red               | Min. bending radius without tools                  | 48 Millimetre                         |
| With mantle pipe                   | ✘                 | Outer diameter mantle pipe                         | 0 Millimetre                          |
| With heating cable                 | ✘                 | Thickness of thermal insulation                    | 13 Millimetre                         |
| With thermal insulation            | ✓                 | Lambda value                                       | 0.43 Watt per metre Kelvin            |
| Shape of insulation                | Round             | Outer diameter thermal insulation                  | 42 Millimetre                         |
| Colour of thermal insulation       | Red               | Outer width rectangular insulation                 | 0 Millimetre                          |
| SVGW certified                     | ✘                 | Outer height rectangular insulation                | 0 Millimetre                          |
| Capped                             | ✘                 | Water content                                      | 0.11 Litre per metre<br>3             |
| UV resistant                       | ✘                 |  |                                       |
| Halogen free                       | ✓                 |  |                                       |
| DIN-CERTCO certificate             | ✘                 |  |                                       |
| With approval for TÜV              | ✘                 |  |                                       |
| DVGW quality mark for gas          | ✘                 |  |                                       |
| DVGW quality mark for water        | ✓                 |  |                                       |
| Compliant with NF 545              | ✓                 |  |                                       |
| KIWA certified                     | ✓                 |  |                                       |
| Gastec QA mark                     | ✘                 |  |                                       |
| KOMO certified                     | ✓                 |  |                                       |
| Type approval according to BBR/EKS | ✘                 |  |                                       |