

## 50-ISO9-20-RO-BSD: Standard ø20x2 iso 10mm red 50m BSD



### 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. ISO BSD pipes also feature an improved fire rating compared to standard insulation pipe.

#### Basic unit dimensions

|            |          |
|------------|----------|
| Height     | 40 mm    |
| Length     | 1,000 mm |
| Width      | 40 mm    |
| Net weight | 0.193 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                                | 20 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 16             | 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                                | 60 Millimetre                         |
| Pipe colour                        | Red               | Min. bending radius without tools                  | 60 Millimetre                         |
| With mantle pipe                   | ✘                 | Outer diameter mantle pipe                         | 0 Millimetre                          |
| With heating cable                 | ✘                 | Thickness of thermal insulation                    | 10 Millimetre                         |
| With thermal insulation            | ✓                 | Lambda value                                       | 0.43 Watt per metre Kelvin            |
| Shape of insulation                | Round             | Outer diameter thermal insulation                  | 40 Millimetre                         |
| Colour of thermal insulation       | Red               | Outer width rectangular insulation                 | 0 Millimetre                          |
| SVGW certified                     | ✘                 | Outer height rectangular insulation                | 0 Millimetre                          |
| Capped                             | ✘                 | Water content                                      | 0.20 Litre per metre<br>1             |
| 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 | ✘                 |  |                                       |