

## 50-ISO9-20-BL-BSD: Standard ø20x2 iso 10mm blue 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

|                                    |                   |                                                    |                                       |
|------------------------------------|-------------------|----------------------------------------------------|---------------------------------------|
| Material inner layer               | Plastic (expired) | Number of layers                                   | 5                                     |
| Quality class inner layer          | PE-Xc             | Outer pipe diameter                                | 20 Millimetre                         |
| Material intermediate layer        | Aluminium         | Wall thickness                                     | 2 Millimetre                          |
| Material outer layer               | Plastic (expired) | Medium temperature (continuous)                    | - Degrees celsius<br>10 7<br>0        |
| Quality class outer layer          | PE-Xc             | Max. medium temperature (momentarily)              | 95 Degrees celsius                    |
| Glass-fibre reinforced             | ✗                 | Max. operating pressure at 20 °C                   | 16 Bar                                |
| Diffusion-proof                    | ✓                 | Max. operating pressure at max. medium temperature | 16 Bar                                |
| Nominal diameter                   | DN 16             | Wall roughness                                     | 0.00 Millimetre<br>7                  |
| System specific                    | ✓                 | Expansion coefficient                              | 0.02 Millimetre per metre Kelvin<br>5 |
| Flexible                           | ✓                 | Min. bending radius                                | 60 Millimetre                         |
| Suitable for surface mounting      | ✓                 | Min. bending radius without tools                  | 60 Millimetre                         |
| Pipe colour                        | Blue              | Outer diameter mantle pipe                         | 0 Millimetre                          |
| With mantle pipe                   | ✗                 | Thickness of thermal insulation                    | 10 Millimetre                         |
| With heating cable                 | ✗                 | Lambda value                                       | 0.43 Watt per metre Kelvin            |
| With thermal insulation            | ✓                 | Outer diameter thermal insulation                  | 40 Millimetre                         |
| Shape of insulation                | Round             | Outer width rectangular insulation                 | 0 Millimetre                          |
| Colour of thermal insulation       | Blue              | Outer height rectangular insulation                | 0 Millimetre                          |
| SVGW certified                     | ✗                 | Water content                                      | 0.20 Litre per metre<br>1             |
| Capped                             | ✗                 |                                                    |                                       |
| 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 | ✗                 |                                                    |                                       |