

**50-ISO4-20-BL-BSD: Standard ø20x2 iso 6mm blue 50m BSD****Commercial information**

The Henco Combi-iso consists of two pre-insulated pipes. The round insulation consists of expanded PE foam with a closed-cell structure. The insulation has a PE outer layer with a grid structure in red and blue. The insulation reduces heat loss and prevents condensation.

**Basic unit dimensions**

|            |          |
|------------|----------|
| Height     | 32 mm    |
| Length     | 1,000 mm |
| Width      | 32 mm    |
| Net weight | 0.180 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>9                  |
| Flexible                           | ✓                 | Expansion coefficient                              | 0.02 Millimetre per metre Kelvin<br>9 |
| Suitable for surface mounting      | ✓                 | Min. bending radius                                | 60 Millimetre                         |
| Pipe colour                        | Blue              | Min. bending radius without tools                  | 60 Millimetre                         |
| With mantle pipe                   | ✗                 | Outer diameter mantle pipe                         | 0 Millimetre                          |
| With heating cable                 | ✗                 | Thickness of thermal insulation                    | 6 Millimetre                          |
| With thermal insulation            | ✓                 | Lambda value                                       | 0.43 Watt per metre Kelvin            |
| Shape of insulation                | Round             | Outer diameter thermal insulation                  | 32 Millimetre                         |
| Colour of thermal insulation       | Blue              | Outer width rectangular insulation                 | 0 Millimetre                          |
| SVGW certified                     | ✗                 | Outer height rectangular insulation                | 0 Millimetre                          |
| Capped                             | ✗                 | Water content                                      | 0.2 Litre per metre                   |
| 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 | ✗                 |                                                    |                                       |