# **50-ISO4-32-BL-BSD:** Standard ø32x3 iso 6mm blue 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 | 44 mm |
| Length | 1,000 mm |
| Width | 44 mm |
| Net weight | 0.446 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, 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 | 32 | Millimetre |
| Material intermediate layer | Aluminium | Wall thickness | 3 | Millimetre |
| Material outer layer | Plastic (expired) | Medium temperature (continuous) | -10\|70 | Degrees celsius |
| 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 20 | Wall roughness | 0.008 | Millimetre |
| System specific | ✔ | Expansion coefficient | 0.029 | Millimetre per metre Kelvin |
| Flexible | ✔ | Min. bending radius | 64 | Millimetre |
| Suitable for surface mounting | ✔ | Min. bending radius without tools | 0 | Millimetre |
| Pipe colour | Blue | Outer diameter mantle pipe | 0 | Millimetre |
| With mantle pipe | ✖ | Thickness of thermal insulation | 6 | Millimetre |
| With heating cable | ✖ | Lambda value | 0.43 | Watt per metre Kelvin |
| With thermal insulation | ✔ | Outer diameter thermal insulation | 44 | 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 | 0.531 | Litre per metre |
| 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 | ✖ | | | |