

50-ISO13-20-RO-BSD: Standard ø20x2 iso 13 mm 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	46 mm
Length	1,000 mm
Width	46 mm
Net weight	0.216 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 10 7 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 7
Flexible	✓	Expansion coefficient	0.02 Millimetre per metre Kelvin 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	13 Millimetre
With thermal insulation	✓	Lambda value	0.43 Watt per metre Kelvin
Shape of insulation	Round	Outer diameter thermal insulation	46 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 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	✗		