

50-ISO13-16-RO-BSD: Standard ø16x2 iso 13mm 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	42 mm
Length	1,000 mm
Width	42 mm
Net weight	0.183 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	16 Millimetre
Material intermediate layer	Aluminium	Wall thickness	2 Millimetre
Material outer layer	Plastic (expired)	Medium temperature (continuous)	- Degrees celsius 10 7 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 12	Wall roughness	0.00 Millimetre 7
System specific	✓	Expansion coefficient	0.02 Millimetre per metre Kelvin 5
Flexible	✓	Min. bending radius	48 Millimetre
Suitable for surface mounting	✓	Min. bending radius without tools	48 Millimetre
Pipe colour	Red	Outer diameter mantle pipe	0 Millimetre
With mantle pipe	✗	Thickness of thermal insulation	13 Millimetre
With heating cable	✗	Lambda value	0.43 Watt per metre Kelvin
With thermal insulation	✓	Outer diameter thermal insulation	42 Millimetre
Shape of insulation	Round	Outer width rectangular insulation	0 Millimetre
Colour of thermal insulation	Red	Outer height rectangular insulation	0 Millimetre
SVGW certified	✗	Water content	0.11 Litre per metre 3
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	✗		