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1. PE-Xa service pipe 2. Oxygen diffusion barrier
3. Flexible Polyurethane-Foam (PUR) 4. Casing

Pre-insulated, flexible pipe system with polyethylene service pipes, and PUR thermal insulation.

The advantages of HeatFlex include quick installation, narrow pipe trenches, tight bending radii and the twin pipe system. The highly efficient pipe system also impresses with an excellent thermal conductivity value of 0.021 W / mK.

For a further reduction in heat loss, a second insulation series with higher insulation is now available.

®

Technical data:

Max. continuous
operating temperature:

Thermal conductivity:

Operating pressure:

Service pipe:

Thermal insulation:

Casing:

+80°C

0.021 W/mK

6 bar/80°C

PE-Xa

PUR, CFC-free
cyclopenthane-based

corrugated PE-LLD

Max. operating
temperature:

+95°C (variable*)

Pipe systems according to EN 15632-2 are designed for a service life of at least 30 years with the following temperature profile:

*29 years at 80°C + 1 year at 90°C + 100h at 95°C
or

Winter heating season 85°C + Summer heating season 75°C

Other temp./time profiles are applicable according to ISO 13760 (Miners rule).
The maximum operating temperature must not exceed 95°C.

Type Dimension Casing

Max. Coil
length

Weight/
Meter

Bending-
radius
UNO/IS1 [mm] [mm] [m] kg r in m
25/76 25x2.3 76 770 0.90 0.70 32/76 32x2.9 76 770 1.00 0.70 40/91 40x3.7 91 570 1.39 0.90 50/111 50x4.6 111 410 1.97 0.90 63/126 63x5.8 126 300 2.60 1.00 75/142 75x6.8 142 220 2.39 1.10 90/162 90x8.2 162 150 4.56 1.20
110/162 110x10.0 162 150 5.10 1.20
125/182 125x11.4 182 86 6.37 1.30
UNO/IS2 [mm] [mm] [m] kg r in m
25/91 25x2.3 91 570 1.22 0.90
32/91 32x2.9 91 570 1.30 0.90
40/111 40x3.7 111 410 1.80 0.90 50/126 50x4.6 126 300 2.32 1.00 63/142 63x5.8 142 220 3.00 1.10 75/162 75x6.8 162 150 3.85 1.20 90/182 90x8.2 182 86 4.90 1.30
110/182 110x10.0 182 86 5.69 1.30
125/202 125x11.4 202 80 6.93 1.40
DUO/IS1 [mm] [mm] [m] kg r in m
25+25/91 25+25x2.3 91 570 1.34 0.90
32+32/111 32+32x2.9 111 410 1.87 0.90
40+40/126 40+40x3.7 126 300 2.48 1.00
50+50/162 50+50x4.6 162 150 3.96 1.20
63+63/182 63+63x5.8 182 86 5.28 1.30
75+75/202 75+75x6.8 202 80 6.27 1.40
DUO/IS2 [mm] [mm] [m] kg r in m
25+25/111 25+25x2.3 111 410 1.73 0.90
32+32/126 32+32x2.9 126 300 2.23 1.00
40+40/142 40+40x3.7 142 220 2.85 1.10
50+50/182 50+50x4.6 182 86 4.31 1.30
63+63/202 63+63x5.8 202 80 5.61 1.40
75+75/225 75+75x6.8 225 75 6.87 1.60
The specified maximum Coil lengths refer to the standard maxi-coil dimensions of (height x width)
2950x1200 mm.