

HEATFLEX

A pre-insulated flexible pipe system for heating applications

Applications:

Heating networks, local district heating networks.

Description:

Cross-linked (by peroxide method) polyethylene PEX-a SDR 11 service pipe is used for HEATFLEX pipes with maximum 6 bar operating pressure at 80 °C continuous operating temperature (application temperature profile according to EN 15632-2:2015).

EVOH barrier layer for service pipe prevents oxygen penetration into heating network.

Highly efficient cyclopentane-based PUR foam insulation gives a very low thermal conductivity value of ≤ 0.021 W/mK.

To accommodate the varying heat loss requirements of the pipe network, HEATFLEX pipes are available with a range of insulation thickness options to suit the required system insulation class (only standard insulation series S1 is mentioned).

The HEATFLEX pipe system is manufactured in accordance with EN 15632:2015 and OFI CERT ZG 200-1 Technical Specification.



1. PEX-a service pipe
2. Oxygen diffusion barrier
3. Semi-flexible polyurethane foam
4. Jacket pipe



Technical Specification:

Max continuous operating temperature:	+80°C
Max variable operating temperature:	+95°C
Max operating pressure:	6 bar
Insulation thermal conductivity:	≤ 0.021 W/mK
Service pipe:	PEX-a
Thermal insulation:	PUR, CFC-free, cyclopentane-based
Jacket pipe:	corrugated PE-LD

HEATFLEX IS1

Dimension	Service pipe size, OD \times s, mm	Jacket pipe size, JD, mm
25/76	25.0 \times 2.3	76
32/76	32.0 \times 2.9	76
40/91	40.0 \times 3.7	91
50/111	50.0 \times 4.6	111
63/126	63.0 \times 5.8	126
75/142	75.0 \times 6.8	142
90/162	90.0 \times 8.2	162
110/162	110.0 \times 10.0	162
125/182	125.0 \times 11.4	182
140/202	140.0 \times 12.7	202

HEATFLEX DUO, IS1

Dimension	Service pipe size, OD \times s, mm	Jacket pipe size, JD, mm
25+25/91	25.0 \times 2.3	91
32+32/111	32.0 \times 2.9	111
40+40/126	40.0 \times 3.7	126
50+50/162	50.0 \times 4.6	162
63+63/182	63.0 \times 5.8	182
75+75/202	75.0 \times 6.8	202

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