

PRODUCT DATA SHEET

Single heating

Hyper flexible, pre-insulated piping system with a single medium pipe, primarily intended for the transport of heating water in buried distribution networks.

The medium pipe is made from cross-linked polyethylene PE-Xa with an orange coloured oxygen-diffusion barrier.

The multilayer thermal insulation is made from cross-linked, microcellular polyethylene PE-X foam with a water-repellent closed cell structure, characterized by its durable, non-ageing insulation performance, and its permanent elasticity, maximizing and maintaining the thickness of the insulation layer, even after bending multiple times.

The high-grade, black coloured UV-resistant, double walled, corrugated HDPE jacket pipe shields the pre-insulated piping system against mechanical impacts and moisture, whilst maintaining maximum flexibility.



- Medium pipes: PE-Xa/SDR 11/PN 6
- EVOH Oxygen barrier in accordance with ISO 17455
- Continuous operating temperature: 80°C
- Max. operating temperature: 95°C
- PE-X insulation foam: < 1% water absorption in accordance with ISO 2896
- Full coil length, all dimensions: 100 m
- Designed in accordance with European standard EN 15632-1&3
- CFC-free production process

Single heating

Art. No.	Jacket pipe	Medium pipe		Bending radius	Water content	Heating capacity		U-value	Weight
	d _{out} [mm]	d _{out} x s [mm]	d _{in} [mm]	[m] ⁽¹⁾	[l/m]	[kW] ⁽²⁾	m/s	[W/mK] ⁽³⁾	kg/m
H7525	75	25 x 2,3	20,4	0,20	0,327	10 - 30	0,5 - 1,1	0,199	0,7
H11025	110	25 x 2,3	20,4	0,30	0,327	10 - 30	0,5 - 1,1	0,145	1,2
H9032	90	32 x 2,9	26,2	0,25	0,539	30 - 60	0,6 - 1,3	0,204	1,0
H11032	110	32 x 2,9	26,2	0,30	0,539	30 - 60	0,6 - 1,3	0,172	1,3
H9040	90	40 x 3,7	32,6	0,30	0,835	40 - 100	0,6 - 1,5	0,255	1,1
H11040	110	40 x 3,7	32,6	0,30	0,835	40 - 100	0,6 - 1,5	0,207	1,5
H14040	140	40 x 3,7	32,6	0,35	0,835	40 - 100	0,6 - 1,5	0,170	2,0
H14050	140	50 x 4,6	40,8	0,40	1,307	70 - 180	0,6 - 1,7	0,204	2,2
H16050	160	50 x 4,6	40,8	0,45	1,307	70 - 180	0,6 - 1,7	0,184	2,4
H14063	140	63 x 5,8	51,4	0,50	2,075	100 - 350	0,6 - 2,0	0,258	2,6
H16063	160	63 x 5,8	51,4	0,55	2,075	100 - 350	0,6 - 2,0	0,227	2,8
H16075	160	75 x 6,8	61,4	0,75	2,961	200 - 500	0,8 - 2,0	0,275	3,1
H20075	200	75 x 6,8	61,4	0,80	2,961	200 - 500	0,8 - 2,0	0,219	4,0
H16090	160	90 x 8,2	73,6	1,00	4,254	275 - 700	0,8 - 2,0	0,353	3,7
H20090	200	90 x 8,2	73,6	1,10	4,254	275 - 700	0,8 - 2,0	0,265	4,6
H22590	225	90 x 8,2	73,6	1,10	4,254	275 - 700	0,8 - 2,0	0,227	4,9
H200110	200	110 x 10,0	90,0	1,20	6,362	400 - 1100	0,8 - 2,1	0,347	5,5
H225110	225	110 x 10,0	90,0	1,20	6,362	400 - 1100	0,8 - 2,1	0,285	5,8
H200125	200	125 x 11,4	102,2	1,40	8,203	500 - 1500	0,8 - 2,2	0,432	6,4
H225125	225	125 x 11,4	102,2	1,40	8,203	500 - 1500	0,8 - 2,2	0,340	6,5

⁽¹⁾ The indicated minimum bending radius can be applied permanently without affecting the system's quality or performance

⁽²⁾ Heat capacity in kW for the carrier pipe (at T_{water} of 80°C and a ΔT of 20°C)

⁽³⁾ The U-value enables easy heat loss calculation, as a function of the driving temperature difference

The installation of adequately anchored fix points at the system's extremities (typically at wall penetrations) is mandatory. This is to secure the connected piping against the potential impact of the system's dilatation forces (thermal expansion/retraction).

To prevent ingress of (ground) water, the EN 15632-3 standard prescribes the usage of shrink end caps to seal the extremities of the non-bonded piping system.

Failing to do so involves a genuine damage risk and automatically voids the system warranty.