



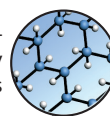
Henco PE-Xc pipes

HENCO 1L PE-Xc pipes (DIN EN ISO 15875-2)

The HENCO 1L PE-Xc pipes are single layer pipes made of high density polyethylene, crosslinked by electron beams. The pipes have no oxygen barrier, they are above all used for drinking water installations.

HENCO 1L PE-Xc				
Outer diameter (mm)	16	20	25	32
Wall thickness (mm)	2,0	2,0	2,3	3,9
Weight (kg/m)	0,100	0,155	0,241	0,393
Water volume (l/m)	0,099	0,159	0,250	0,421
Coefficient linear expansion (mm/mK)	0,18	0,18	0,18	0,18
Application class (ISO 15875)	2-4-5	2-4-5	2-4-5	2-4-5
Max. working temperature (°C)	See application class table (DIN EN ISO 15875-1)			
Max. working pressure (bar)	See max. working pressure table (DIN EN ISO 15875-2)			

PE-Xc: high density polyethylene crosslinked by electron beams



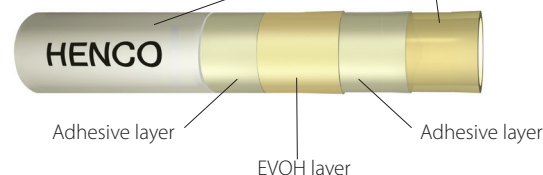
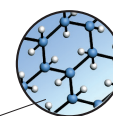
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HENCO 5L PE-Xc pipes (DIN EN ISO 15875-2)

The HENCO 5L PE-Xc pipes are made of five layers; a PE-Xc inner pipe, an adhesive layer and a centrally positioned oxygen barrier, protected by an outer PE-Xc layer. Thanks to the oxygen barrier the pipe responds to the requirements specified in DIN 4726 for oxygen diffusion heating systems. Thus the HENCO 5L PE-Xc pipes are perfectly suitable for use in heating installations.

HENCO 5L PE-Xc						
Outer diameter (mm)	16	17	18	20	25	32
Wall thickness (mm)	2,0	2,0	2,0	2,0	2,3	2,9
Weight (kg/m)	0,096	0,103	0,110	0,124	0,179	0,282
Water volume (l/m)	0,111	0,133	0,154	0,197	0,309	0,497
Coefficient linear expansion (mm/mK)	0,18	0,18	0,18	0,18	0,18	0,18
Application class (ISO 15875)	2-4-5	2-4-5	2-4-5	2-4-5	2-4-5	2-4-5
Max. working temperature (°C)	See application class table (DIN EN ISO 15875-1)					
Max. working pressure (bar)	See max. working pressure table (DIN EN ISO 15875-2)					

PE-Xc: high density polyethylene crosslinked by electron beams



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Henco PE-Xc pipes

Advantages

- ▶ Extremely flexible and highly durable
- ▶ Light and easy to install
- ▶ Corrosion free and abrasion resistant
- ▶ Smooth surface for low pressure loss
- ▶ High chemical and mechanical resistance
- ▶ High pressure and temperature resistance
- ▶ Excellent hygienic properties
- ▶ With EVOH barrier for oxygen impermeability according to DIN 4726

Application class table (DIN EN ISO 15875-1 / DIN EN ISO 22391-1)

Application class table PE-Xc (DIN EN ISO 15875-1)							
Application class	T _D		T _{max}		T _{mal}		Typical application
	°C	Time ^a years	°C	Time years	°C	Time h	
1 ^a	60	49	80	1	95	100	Hot water supply (60°C)
2 ^a	70	49	80	1	95	100	Hot water supply (70°C)
4 ^b	20 + cumulative 40 + cumulative 60	2,5 20 25	70	2,5	100	100	Underfloor heating and low-temperature radiators
5 ^b	20 + cumulative 60 + cumulative 80	14 25 10	90	1	100	100	High temperature radiators

NOTE This international standard does not apply for T_D, T_{max} and T_{mal} greater than those shown in the table above.

a Countries can choose either class 1 or class 2 according to with their national legislation.

b Where there is more than 1 design temperature for a class, the times should be added together. "Plus cumulative" in the table implies a temperature profile for the aforementioned temperature over a certain period (e.g. for class 5, the design temperature profile over 50 years is 60 °C over 14 years, 80 °C over 10 years, 90 °C over 1 year and 100 °C over 100 hours respectively).

Maximum working pressure table (DIN EN ISO 15875-2)

Maximum working pressure table 1L, 5L PE-Xc (DIN EN ISO 15875-2)								
Application class	Ø12 x 2	Ø14 x 2	Ø16 x 2	Ø17 x 2	Ø18 x 2	Ø20 x 2	Ø25 x 2,3	Ø32 x 2,9
1	10	10	10	10	8	8	6	6
2	10	10	10	8	8	6	6	6
4	10	10	10	10	10	8	8	8
5	10	10	8	8	8	6	6	6

Value expressed in bar.