



HL Pre-insulated pipe

PREFABRICATED INSULATION PIPES



Prefabricated insulation pipes are widely used in district heating and refrigeration projects, and the effect of energy-saving is remarkable.

Product Introduction

Huali pre-insulated PU foam pipe consists of the medium steel pipe, polyurethane foam, and casing, with service temperature max 150°C. Pre-insulated elbow and tee can be supplied as well.

Application

The pre-insulated pipe is widely used for industrial transportation pipeline in the field of petrol-chemical and hot oil supplying systems, residential cold and hot water supplying system.

Product Performance

- Service life 30-50 years
- Insulation performance is good, insulation effect is better than other insulation pipes 4-9 time higher, and the heatless is lower than traditional pipe. Under normal circumstance, working temperature can reach 120°C, but we can improve it to 150°C
- Waterproofing
- Better anti-corrosive and impact resistance under low temperature condition.

Product Type

1. Inner operation pipe + core PU foam + outer HDPE casing
2. Inner operation pipe + core PU foam + outer steel casing

Technical Data

	Item	Unit	Data
Inner operation pipe	ID 20-165mm		GAL.steel, seamless steel, welding steel
	ID 219-325mm		Seamless steel
	ID 356-1420mm		Spiral steel Q235B
Core PU foam	Service temperature	°C	-20~150
	Thickness	mm	≥30
	Density	kg/m3	40-80
	Thermal conductivity	w/m.k	≤0.03
	Compressive strength	Mpa	≥0.2
	Water absorption	%	≤0.03
Outer casing	HDPE casing density	kg/m3	960
	Steel pipe		GAL.steel, seamless steel, welding steel

Product Specification

Nominal diameter (DN)	Inside steel pipe OD x thickness (mm)	Outer HDPE jacket OD x thickness (mm)	Inner foam insulation thickness (mm)
25	32x3	90x2.3	29
32	43x3	110x2.5	33
40	48x3	110x2.5	31
50	57x3	125x2.5	34
65	76x3.5	140x3	33
80	89x4	160x3.0	33
100	108x4	200x3.2	36
125	133x4.5	225x3.5	46
150	159x4.5	250x3.9	45.5
200	219x6	315x4.9	48
250	273x6	365x5.6	46
300	325x7	420x7	47.5
350	377x7	500x7.8	61.5
400	426x7	600x9.8	62
450	478x7	600x9.8	61
500	529x7	655x9.8	63
600	630x8	760x11	65
700	720x8	850x12	65
800	820x9	960x13	70
900	920x10	1054x14	67
1000	1020x12	1155x14	77
1200	1220x12	1380x15	80
1400	1420x14	1680x16	114

Remark: other size should be confirmed with our sales.