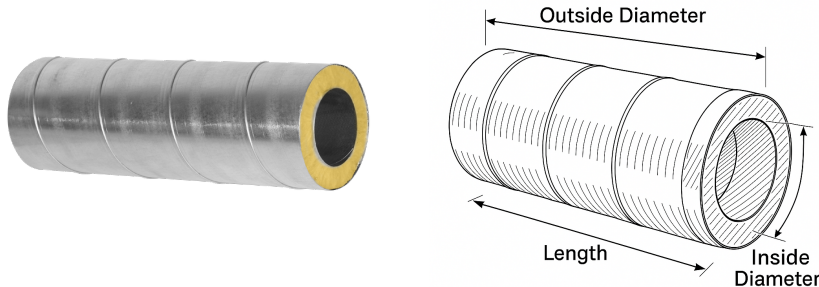


Pre-insulated Pipe

Insulation Series-1* (Spiro Type)



STEEL PIPE DIAMETER						SPIRO JACKET PIPE			INSULATION (PUR)	UNIT WEIG HT	PIPE LENGTH (L)
Steel Pipe Diameter		Ext. Dia. (d)	Wall Thick.	Inner Dia.	Unit Water Content	Ext. Dia. (D)	Wall Thick.	Inner Dia.	Thickness		
DN	inch	mm	mm	mm	lt / m	mm	mm	mm	mm	kg / m	m
700	28"	720.0	10.0	700.0	388.2	900	0.9	898.2	89.1	216.8	12

Technical Properties;

Steel Pipe (carrier pipe):

Steel Quality	: Gr.B / P 265 GH TC1
Manufacturing Process	: LSAW
Production Standard	: API 5L / EN 10217-2
Finishing	: Butt Weld
Inspection	: EN 10204 – 3.1

Spiro Pipe (jacket pipe):

Material	: Galvanized Pipe Tubing
Dimensions	: SR EN 13446:2000
Strength and sealing	: SR EN 12237:2004
Pneumatic pressure	: 750 Pa

Insulation Material (polyurethane rigid foam):

Material	: Polyurethane rigid foam occurred from homogenous mixing of Polyol and isocyanate components
Blowing Agent	: Water Based
Average size of the cells	: < 0.5 mm
Foam Density	: $\geq 60 \text{ kg/m}^3$
Closed cell content	: > 88%
Compressive stress at 10% relative deformation	: $\geq 0.30 \text{ N/mm}^2$
Axial shear stress	: $\geq 0.12 \text{ N/mm}^2$
Tangential shear stress	: $\geq 0.20 \text{ N/mm}^2$
Thermal conductivity (@ 50 °C)	: < 0.029 W/mK

All pipes are produced according to EN 253.