

HiTHERM HT 300
INSULATION THICKNESS (inches) TABLE
TO PREVENT CONDENSATION INDOORS

Ambient temperature = 80°F Outer surface = PVC Jacketing Emissivity = 0.9
Ambient relative humidity = 70% Wind Velocity = 0 mph
Dewpoint = 69.3°F Geometry = Horizontal pipe

Nom Pipe Size (in)	SERVICE TEMPERATURE °F														
	-300	-250	-200	-150	-100	-80	-60	-50	-40	-30	-20	-10	0	+10	+20
0.5	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1
0.75	2	2	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1	1	1
1	2	2	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1	1	1
1.25	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1	1
1.5	2	2	2	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1	1
2	2	2	2	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1	1
2.5	2	2	2	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1	1
3	2.5	2.5	2	2	1.5	1.5	1.5	1	1	1	1	1	1	1	1
4	2.5	2.5	2	2	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1
5	2.5	2.5	2.5	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1	1	1
6	2.5	2.5	2.5	2	2	1.5	1.5	1.5	1.5	1	1	1	1	1	1
8	2.5	2.5	2.5	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1	1
10	3	2.5	2.5	2	2	1.5	1.5	1.5	1.5	1.5	1.5	1	1	1	1
12	3	3	2.5	2.5	2	1.5	1.5	1.5	1.5	1.5	1.5	1	1	1	1
14	3	3	2.5	2.5	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1
16	3	3	2.5	2.5	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1
18	3	3	3	2.5	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1
20	3	3	3	2.5	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1
24	3	3	3	2.5	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1
30	3.5	3	3	2.5	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1
36	3.5	3	3	2.5	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1
48	3.5	3.5	3	2.5	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1

*Thicknesses calculated are based on the ambient conditions stated above. This table does not imply or designate correct thicknesses for every condition, nor does it take fragility and matters of safety into account when determining thicknesses.