

HiTHERM HT 300
INSULATION THICKNESS TABLE (inches) TO LIMIT
HEAT LOSS TO A MAXIMUM OF 8 BTU/HOUR-FT² OUTDOORS

Ambient temperature = 80°F Outer surface = Aluminum Jacketing Emissivity = 0.1
 Wind Velocity = 8 mph 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	2.5	2.5	2.5	2.5	2	2	1.5	1.5	1.5	1.5	1.5	1.5	1	1	1
0.75	3	2.5	2.5	2.5	2	2	2	2	1.5	1.5	1.5	1.5	1.5	1	1
1	3	3	3	2.5	2	2	2	2	1.5	1.5	1.5	1.5	1.5	1	1
1.25	3.5	3.5	3	3	2.5	2	2	2	1.5	1.5	1.5	1.5	1.5	1	1
1.5	3.5	3.5	3	3	2.5	2	2	2	2	1.5	1.5	1.5	1.5	1	1
2	3.5	3.5	3	3	2.5	2	2	2	2	1.5	1.5	1.5	1.5	1	1
2.5	3.5	3.5	3	3	2.5	2	2	2	2	1.5	1.5	1.5	1.5	1.5	1
3	4	3.5	3.5	3	2.5	2.5	2	2	2	2	1.5	1.5	1.5	1.5	1
4	4	4	3.5	3	3	2.5	2.5	2	2	2	2	1.5	1.5	1.5	1
5	4	4	4	3.5	3	2.5	2.5	2.5	2	2	2	1.5	1.5	1.5	1.5
6	4.5	4	4	3.5	3	2.5	2.5	2.5	2	2	2	2	1.5	1.5	1.5
8	4.5	4.5	4	3.5	3	2.5	2.5	2.5	2.5	2	2	2	1.5	1.5	1.5
10	5	4.5	4.5	4	3	3	2.5	2.5	2.5	2	2	2	1.5	1.5	1.5
12	5	5	4.5	4	3	3	2.5	2.5	2.5	2	2	2	1.5	1.5	1.5
14	5	5	4.5	4	3.5	3	3	2.5	2.5	2.5	2	2	1.5	1.5	1.5
16	5	5	4.5	4	3.5	3	3	2.5	2.5	2.5	2	2	1.5	1.5	1.5
18	5.5	5	4.5	4	3.5	3	3	2.5	2.5	2.5	2	2	1.5	1.5	1.5
20	5.5	5	5	4	3.5	3	3	2.5	2.5	2.5	2	2	2	1.5	1.5
24	5.5	5.5	5	4	3.5	3	3	2.5	2.5	2.5	2	2	2	1.5	1.5
30	5.5	5.5	5	4.5	3.5	3.5	3	2.5	2.5	2.5	2	2	2	1.5	1.5
36	6	5.5	5	4.5	3.5	3.5	3	3	2.5	2.5	2	2	2	1.5	1.5
48	6	5.5	5	4.5	3.5	3.5	3	3	2.5	2.5	2	2	2	1.5	1.5

*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 safety into account when determining thicknesses.