

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

Ambient temperature = 80°F                      Outer surface = PVC Jacketing Emissivity = 0.9  
 Ambient relative humidity = 80%                      Wind Velocity = 8 mph  
 Dewpoint = 73.3°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	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0.75	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1.25	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1	1	1
1.5	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1	1	1
2.5	1.5	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1	1
3	1.5	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1	1
4	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1
5	2	2	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1
6	2	2	2	1.5	1.5	1	1	1	1	1	1	1	1	1	1
8	2	2	2	1.5	1.5	1.5	1	1	1	1	1	1	1	1	1
10	2	2	2	1.5	1.5	1.5	1	1	1	1	1	1	1	1	1
12	2	2	2	2	1.5	1.5	1	1	1	1	1	1	1	1	1
14	2.5	2.5	2	2	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1
16	2.5	2.5	2	2	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1
18	2.5	2.5	2.5	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1	1	1
20	2.5	2.5	2.5	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1	1	1
24	2.5	2.5	2.5	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1	1	1
30	3	2.5	2.5	2.5	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1	1
36	3	3	2.5	2.5	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1	1
48	3	3	2.5	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 safety into account when determining thicknesses.