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**HiTHERM PIR300 25/50**  
 INSULATION THICKNESS TABLE (inches) TO LIMIT  
 HEAT LOSS TO A MAXIMUM OF 8 BTU/HOUR-FT<sub>2</sub> **OUTDOORS**

Ambient temperature = 80°F      Outer surface = PVC Jacketing Emissivity = 0.9  
 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	1.5	1.5	1.5	1.5	1.5	1	1	1
1	3	3	3	2.5	2	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1
1.25	3.5	3.5	3	3	2	2	2	1.5	1.5	1.5	1.5	1.5	1.5	1	1
1.5	3.5	3.5	3	3	2	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	5	4.5	4	3.5	3	3	2.5	2.5	2.5	2	2	2	1.5	1.5
18	5.5	5	4.5	4	3.5	3	3	2.5	2.5	2.5	2	2	2	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	2.5	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.