

Appendix 2
Insulation Thickness Schedule
For Refrigeration Systems - Outdoor

CRYOFLEX POLYETHYLENE INSULATION															
PIPE SIZES	SERVICE TEMPERATURE (°F)													INSIDE & OUTSIDE	
	-60	-55	-50	-40	-30	-20	-10	0	10	20	30	40	50	HOT GAS SUPPLY LINE	DEFROST DRAIN LINES
VESSEL	6"						4"								
24" Pipe	8	7.5	7.5	7	7	6.5	6	6	5.5	5	4.5	4	3.5	N/A	N/A
20" Pipe	7.5	7.5	7.5	7	6.5	6	6	5.5	5	4.5	4	3.5	3	N/A	N/A
18" Pipe	7.5	7	7	6.5	6.5	6	5.5	5.5	5	4.5	4	3.5	3	N/A	N/A
16" Pipe	7	7	7	6.5	6	5.5	5.5	5	4.5	4	3.5	3	2.5	N/A	N/A
14" Pipe	6.5	6.5	6.5	6.5	6	5.5	5.5	5	4.5	4	3.5	3	2.5	N/A	N/A
12" Pipe	6.5	6.5	6.5	6	6	5.5	5	4.5	4	4	3.5	3	2.5	N/A	N/A
10" Pipe	6	6	6	6	5.5	5	5	4.5	4	3.5	3	2.5	2	1-1/2"	N/A
8" Pipe	6	6	6	5.5	5	5	4.5	4	4	3.5	3	2.5	2	1-1/2"	1-1/2"
6" Pipe	5.5	5.5	5.5	5	5	4.5	4	4	3.5	3.5	3	2.5	2	1-1/2"	1-1/2"
5" Pipe	5.5	5.5	5	5	4.5	4.5	4	4	3.5	3	3	2.5	2	1-1/2"	1-1/2"
4" Pipe	5	5	5	4.5	4.5	4	4	3.5	3.5	3	2.5	2.5	2	1-1/2"	1-1/2"
3" Pipe	5	5	4.5	4.5	4	4	3.5	3.5	3	3	2.5	2	2	1-1/2"	1-1/2"
2-1/2" Pipe	4.5	4.5	4	4	3.5	3.5	3.5	3	3	2.5	2	2	1.5	1-1/2"	1-1/2"
2" Pipe	4.5	4.5	4	4	3.5	3.5	3.5	3	3	2.5	2	2	1.5	1-1/2"	1-1/2"
1-1/2" Pipe	4.5	4	4	4	3.5	3.5	3	3	2.5	2.5	2	2	1.5	1-1/2"	1-1/2"
1 1/4" Pipe	4.5	4	4	4	3.5	3.5	3	3	2.5	2.5	2	1.5	1.5	1-1/2"	1-1/2"
1" Pipe	4	4	3.5	3.5	3	3	3	2.5	2.5	2	2	1.5	1.5	1-1/2"	1"
3/4" Pipe	4	3.5	3	3	3	2.5	2.5	2.5	2.5	2	2	1.5	1.5	1-1/2"	1"
1/2" Pipe	3.3	3	3	3	2.5	2.5	2.5	2.5	2	2	1.5	1.5	1.5	1"	1"

One Layer

Two Layers

Three Layers

Contact factory for more information

Note 1: Service temperature falling between those listed shall default to listed temperatures immediately below the actual service value.

Service temperature shall not exceed 200°F.

These tables are guidelines only. Consult a qualified design engineer for insulation thickness requirements for specific end use conditions.

Appendix 3
Insulation Thickness Schedule
For Refrigeration Systems - Indoor

CRYOFLEX POLYETHYLENE INSULATION															
PIPE SIZES	SERVICE TEMPERATURE (°F)													INSIDE & OUTSIDE	
	-60	-55	-50	-40	-30	-20	-10	0	10	20	30	40	50	HOT GAS SUPPLY LINE	DEFROST DRAIN LINES
24"Pipe	6.5	6	6	5.5	5	4.5	4.5	4	3.5	3	2.5	2	N/A	N/A	N/A
22"Pipe	6.5	6	5.5	5.5	5	4.5	4.5	4	3.5	3	2.5	2	N/A	N/A	N/A
20"Pipe	6.5	6	5.5	5.5	5	4.5	4	4	3.5	3	2.5	2	N/A	N/A	N/A
18"Pipe	6	6	5.5	5	5	4.5	4	4	3.5	3	2.5	2	N/A	N/A	N/A
16"Pipe	6	6	5.5	5	5	4.5	4	3.5	3.5	3	2.5	2	N/A	N/A	N/A
14"Pipe	6	5.5	5.5	5	4.5	4.5	4	3.5	3	3	2.5	2	N/A	N/A	N/A
12"Pipe	5.5	5.5	5	5	4.5	4	4	3.5	3	2.5	2.5	2	N/A	N/A	N/A
10"Pipe	5.5	5	5	4.5	4.5	4	3.5	3.5	3	2.5	2	2	1-1/2"	N/A	1-1/2"
8"Pipe	5	5	4.5	4.5	4	3.5	3.5	3	3	2.5	2	1.5	1-1/2"	1-1/2"	1-1/2"
6"Pipe	5	4.5	4.5	4	3.5	3.5	3.5	3	2.5	2.5	2	1.5	1-1/2"	1-1/2"	1-1/2"
5"Pipe	4.5	4.5	4	4	3.5	3.5	3	3	2.5	2.5	2	1.5	1-1/2"	1-1/2"	1-1/2"
4-1/2"Pipe	4.5	4	4	3.5	3.5	3	3	2.5	2.5	2	2	1.5	1-1/2"	1-1/2"	1-1/2"
4"Pipe	4.5	4	4	3.5	3.5	3	3	2.5	2.5	2	2	1.5	1-1/2"	1-1/2"	1-1/2"
3-1/2"Pipe	4	4	3.5	3.5	3.5	3	3	2.5	2.5	2	1.5	1.5	1-1/2"	1-1/2"	1-1/2"
3"Pipe	4	4	3.5	3.5	3.5	3	3	2.5	2.5	2	1.5	1.5	1-1/2"	1-1/2"	1-1/2"
2-1/2"Pipe	3.5	3.5	3.5	3	3	2.5	2.5	2	2	2	1.5	1.5	1-1/2"	1-1/2"	1-1/2"
2"Pipe	3.5	3.5	3.5	3	3	2.5	2.5	2.5	2	2	1.5	1.5	1-1/2"	1-1/2"	1"
1-1/2"Pipe	3.5	3.5	3	3	3	2.5	2.5	2	2	2	1.5	1.5	1-1/2"	1-1/2"	1"
1-1/4"Pipe	3.5	3.5	3	3	3	2.5	2.5	2	2	1.5	1.5	1.5	1-1/2"	1-1/2"	1"
1"Pipe	3	3	3	2.5	2.5	2.5	2	2	2	1.5	1.5	1.5	1-1/2"	1"	1"
3/4"Pipe	3	2.5	2.5	2.5	2.5	2.5	2	2	2	1.5	1.5	1.5	1-1/2"	1"	
1/2"Pipe	2.5	2.5	2.5	2.5	2										

One Layer Two Layers Three Layers Contact factory for more information

Note 2: Service temperature falling between those listed shall default to listed temperatures immediately below the actual service value.

Service temperature shall not exceed 200°F.

These tables are guidelines only. Consult a qualified design engineer for insulation thickness requirements for specific end use conditions.