



Steam Tracing

Designing of Steam Tracing Recommended number of ½" tracers to meet average requirements

	Type A General frost protection or where solidification may occur at temperature below 75°F	Type B Where solidification may occur at temperature between 75 - 150°F	Type C When solidification may occur at temperature between 150 - 300°F
Product Line Size	Number of ½" Tracers	Number of ½" Tracers	Number of ½" Tracers
1"	1	1	1
1-½"	1	1	2
2"	1	1	2
3"	1	1	3
4"	1	2	3
6"	2	2	3
8"	2	2	3
10"-12"	2	3	6
14"-16"	2	3	8
18"-20"	2	3	10

As a general rule, length of tracers to 3/8" size should not exceed 60 ft. Larger size tracers should not exceed 150 ft. in length.

Steam Size Connections for Jacketed Lines

Product Line	Jacket Diameter	Steam Connection
2-½"	4"	½"
3"	6"	¾"
4"	6"	¾"
6"	8"	¾"
8"	10"	1"
10"	12"	1"

Length of jacket should not exceed 20 ft. In most cases ½" condensate outlet would be adequate but it is usual to make this same size as the steam connection as it simplifies installation.

Recommended Header Size for Supplying Steam Tracer Lines

Header Size	Number of ½" Tracers
¾"	2
1"	3 to 5
1-½"	6 to 15
2"	16 to 30

Recommended Header Size for Condensate Lines

Header Size	Number of ½" Tracers
1"	Up to 5
1-½"	6 to 10
2"	11 to 25