

DOMESTIC HOT & CHILLED WATER PIPING CORNER DISTANCE DATA

Table A2.6-1; Corner Distance for Standard Steel Pipe – Domestic Hot & Chilled Water –
 $\Delta T = 80^{\circ}F$

Nominal Pipe Size (in)	Pipe O. D. (in)	Distance From Corner to Longitudinal Restraint (ft)			
		10	20	30	40
		Distance from Corner to First Transverse Restraint (ft)			
3/4	1.050	2	2	3	3
1	1.315	2	3	3	4
1 1/4	1.660	2	3	4	4
1 1/2	1.900	2	3	4	4
2	2.375	2	3	4	5
2 1/2	2.875	3	4	5	5
3	3.500	3	4	5	6
3 1/2	4.000	3	4	5	6
4	4.500	3	5	6	7
5	5.563	4	5	6	7
6	6.625	4	6	7	8
8	8.625	5	7	8	9
10	10.750	5	7	9	10
11	11.750	5	8	9	11
12	12.750	6	8	10	11
14	14.000	6	8	10	12
16	16.000	6	9	11	13
18	18.000	7	10	12	13
20	20.000	7	10	12	14
22	22.000	7	11	13	15
24	24.000	8	11	13	16
30	30.000	9	12	15	17
36	36.000	10	13	16	19
42	42.000	10	15	18	21
48	48.000	11	16	19	22

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RELEASED ON: 08/15/2008



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Table A2.6-2; Corner Distance for PVC 1120 & CPVC 4120 Pipe – Domestic Hot & Chilled Water – $\Delta T = 80^{\circ}F$

Nominal Pipe Size (in)	Pipe O. D. (in)	Distance From Corner to Longitudinal Restraint (ft)			
		10	20	30	40
		Distance from Corner to First Transverse Restraint (ft)			
3/4	1.050	1	1	1	2
1	1.315	1	1	2	2
1 1/4	1.660	1	1	2	2
1 1/2	1.900	1	2	2	2
2	2.375	1	2	2	2
2 1/2	2.875	1	2	2	3
3	3.500	1	2	3	3
3 1/2	4.000	2	2	3	3
4	4.500	2	2	3	3
5	5.563	2	3	3	4
6	6.625	2	3	4	4
8	8.625	2	3	4	5
10	10.750	3	4	5	5
11	11.750	3	4	5	5
12	12.750	3	4	5	6
14	14.000	3	4	5	6
16	16.000	3	4	5	6
18	18.000	3	5	6	7
20	20.000	4	5	6	7
24	24.000	4	5	7	8

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Table A2.6-3; Corner Distance for Drawn Copper Tubing – Domestic Hot & Chilled Water –
 $\Delta T = 80^\circ F$

Nominal Pipe Size (in)	Pipe O. D. (in)	Distance from Corner to Longitudinal Restraint (ft)			
		10	20	30	40
		Distance from Corner to First Transverse Restraint (ft)			
1	1.125	2	3	3	4
1 1/4	1.375	2	3	4	4
1 1/2	1.625	2	3	4	5
2	2.125	3	4	5	6
2 1/2	2.625	3	4	5	6
3	3.125	3	5	6	7
3 1/2	3.625	4	5	6	7
4	4.125	4	5	7	8
5	5.125	4	6	7	9
6	6.125	5	7	8	9

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