

PVC & CPVC PIPE DATA

Table A2.4-1; PVC "Solid Wall" Schedule 40 Pipe

Nominal Pipe Size (in)	Pipe O. D. (in)	Pipe I. D. (in)	Pipe Weight (lb/ft)	Pipe + Half Water Weight (lb/ft)	Pipe + Water Weight (lb/ft)	Insulation Thickness (in)	Pipe + Water + Insulation Weight (lb/ft)
3/4	1.050	0.824	0.20	0.32	0.43	1.0	1.19
1	1.315	1.049	0.30	0.49	0.67	1.0	1.53
1 1/4	1.660	1.380	0.41	0.73	1.05	1.0	2.04
1 1/2	1.900	1.610	0.49	0.93	1.37	1.0	2.44
2	2.375	2.067	0.65	1.38	2.11	1.0	3.36
2 1/2	2.875	2.469	1.03	2.07	3.11	1.0	4.55
3	3.500	3.068	1.35	2.95	4.56	1.0	6.23
3 1/2	4.000	3.548	1.63	3.77	5.91	1.0	7.77
4	4.500	4.026	1.93	4.68	7.44	1.0	9.48
5	5.563	5.047	2.61	6.94	11.28	1.5	15.21
6	6.625	6.065	3.39	9.65	15.91	1.5	20.43
8	8.625	7.981	5.10	15.94	26.78	1.5	32.41
10	10.750	10.020	7.23	24.31	41.40	1.5	48.21
12	12.750	11.938	9.56	33.81	58.06	1.5	65.99
14	14.000	13.126	11.30	40.62	69.94	1.5	78.56
16	16.000	15.000	14.78	53.07	91.35	1.5	101.09
18	18.000	16.876	18.69	67.15	115.61	1.5	126.46
20	20.000	18.814	21.94	82.18	142.41	1.5	154.37
24	24.000	22.626	30.54	117.65	204.77	1.5	218.96

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KINETICS™ Pipe & Duct Seismic Application Manual

Table A2.4-2; PVC "Solid Wall" Schedule 80 Pipe

Nominal Pipe Size (in)	Pipe O. D. (in)	Pipe I. D. (in)	Pipe Weight (lb/ft)	Pipe + Half Water Weight (lb/ft)	Pipe + Water Weight (lb/ft)	Insulation Thickness (in)	Pipe + Water + Insulation Weight (lb/ft)
3/4	1.050	0.742	0.26	0.36	0.45	1.0	1.21
1	1.315	0.957	0.39	0.54	0.70	1.0	1.56
1 1/4	1.660	1.278	0.53	0.81	1.09	1.0	2.08
1 1/2	1.900	1.500	0.65	1.03	1.41	1.0	2.49
2	2.375	1.939	0.90	1.54	2.18	1.0	3.43
2 1/2	2.875	2.323	1.37	2.29	3.20	1.0	4.64
3	3.500	2.900	1.83	3.26	4.69	1.0	6.36
3 1/2	4.000	3.364	2.23	4.16	6.08	1.0	7.94
4	4.500	3.826	2.68	5.17	7.66	1.0	9.70
5	5.563	4.813	3.71	7.65	11.59	1.5	15.52
6	6.625	5.761	5.10	10.75	16.40	1.5	20.92
8	8.625	7.625	7.75	17.64	27.53	1.5	33.17
10	10.750	9.564	11.48	27.05	42.62	1.5	49.43
12	12.750	11.376	15.80	37.82	59.85	1.5	67.77
14	14.000	12.500	18.95	45.54	72.13	1.5	80.75
16	16.000	14.314	24.36	59.23	94.10	1.5	103.83
18	18.000	16.126	30.49	74.74	118.99	1.5	129.84
20	20.000	17.974	36.67	91.65	146.63	1.5	158.59
24	24.000	21.564	52.91	132.04	211.17	1.5	225.36

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Table A2.4-3; CPVC "Solid Wall" Schedule 40 Pipe

Nominal Pipe Size (in)	Pipe O. D. (in)	Pipe I. D. (in)	Pipe Weight (lb/ft)	Pipe + Half Water Weight (lb/ft)	Pipe + Water Weight (lb/ft)	Insulation Thickness (in)	Pipe + Water + Insulation Weight (lb/ft)
3/4	1.050	0.824	0.22	0.33	0.45	1.0	1.21
1	1.315	1.049	0.33	0.51	0.70	1.0	1.56
1 1/4	1.660	1.380	0.44	0.76	1.09	1.0	2.08
1 1/2	1.900	1.610	0.53	0.97	1.41	1.0	2.48
2	2.375	2.067	0.71	1.44	2.16	1.0	3.41
2 1/2	2.875	2.469	1.12	2.16	3.20	1.0	4.63
3	3.500	3.068	1.47	3.07	4.67	1.0	6.34
3 1/2	4.000	3.548	1.77	3.91	6.05	1.0	7.90
4	4.500	4.026	2.09	4.85	7.61	1.0	9.65
5	5.563	5.047	2.83	7.17	11.50	1.5	15.43
6	6.625	6.065	3.68	9.94	16.20	1.5	20.72
8	8.625	7.981	5.53	16.37	27.21	1.5	32.85
10	10.750	10.020	7.85	24.93	42.02	1.5	48.83
12	12.750	11.938	10.38	34.63	58.88	1.5	66.81
14	14.000	13.126	12.27	41.59	70.91	1.5	79.53
16	16.000	15.000	16.04	54.33	92.62	1.5	102.36
18	18.000	16.876	20.29	68.75	117.22	1.5	128.06
20	20.000	18.814	23.82	84.06	144.29	1.5	156.25
24	24.000	22.626	33.16	120.27	207.39	1.5	221.57

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Nominal Pipe Size (in)	Pipe O. D. (in)	Pipe I. D. (in)	Pipe Weight (lb/ft)	Pipe + Half Water Weight (lb/ft)	Pipe + Water Weight (lb/ft)	Insulation Thickness (in)	Pipe + Water + Insulation Weight (lb/ft)
3/4	1.050	0.742	0.29	0.38	0.47	1.0	1.23
1	1.315	0.957	0.42	0.58	0.73	1.0	1.59
1 1/4	1.660	1.278	0.58	0.86	1.14	1.0	2.12
1 1/2	1.900	1.500	0.70	1.09	1.47	1.0	2.55
2	2.375	1.939	0.97	1.61	2.25	1.0	3.50
2 1/2	2.875	2.323	1.48	2.40	3.32	1.0	4.76
3	3.500	2.900	1.99	3.42	4.85	1.0	6.52
3 1/2	4.000	3.364	2.42	4.35	6.28	1.0	8.13
4	4.500	3.826	2.90	5.40	7.89	1.0	9.93
5	5.563	4.813	4.03	7.97	11.91	1.5	15.84
6	6.625	5.761	5.54	11.19	16.83	1.5	21.35
8	8.625	7.625	8.41	18.30	28.20	1.5	33.83
10	10.750	9.564	12.47	28.03	43.60	1.5	50.41
12	12.750	11.376	17.16	39.18	61.20	1.5	69.13
14	14.000	12.500	20.57	47.16	73.75	1.5	82.37
16	16.000	14.314	26.45	61.32	96.18	1.5	105.92
18	18.000	16.126	33.10	77.35	121.60	1.5	132.45
20	20.000	17.974	39.82	94.79	149.77	1.5	161.73
24	24.000	21.564	57.44	136.57	215.70	1.5	229.89

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