



Schedule 80 PVC Pipe Dimensions

Nom. Pipe Size (in)	Outside Dia Inches	Average ID Inches	Minimum Wall Thickness Inches	Nominal Wt./Ft.	Max WP PSI	OD in MM	Average ID in MM	Minimum Wall Thickness in MM	Weight Kg/5.8 Metre Length	Max Working Pressure in Kpa
1/4	0.54	0.28	0.12	0.12	1130	13.72	7.16	3.02	1.01	7791
3/8	0.68	0.40	0.13	0.16	920	17.15	10.24	3.20	1.40	6343
1/2	0.84	0.53	0.15	0.23	850	21.34	13.36	3.73	2.00	5861
3/4	1.05	0.72	0.15	0.31	690	26.67	18.34	3.91	2.71	4758
1	1.32	0.94	0.18	0.46	630	33.40	23.77	4.55	3.99	4344
1-1/4	1.66	1.26	0.19	0.65	520	42.16	31.88	4.85	5.65	3585
1-1/2	1.90	1.48	0.20	0.79	470	48.26	37.49	5.08	6.85	3241
2	2.38	1.91	0.22	1.10	400	60.33	48.59	5.54	9.48	2758
2-1/2	2.88	2.29	0.28	1.67	420	73.03	58.17	7.01	14.46	2896
3	3.50	2.86	0.30	2.24	370	88.90	72.75	7.62	19.37	2551
3-1/2	4.00	3.33	0.32	2.74	350	101.60	84.48	8.08	23.63	2413
4	4.50	3.79	0.34	3.28	320	114.30	96.16	8.56	28.31	2206
5	5.56	4.77	0.38	4.08	290	141.30	121.11	9.53	35.23	2000
6	6.63	5.71	0.43	6.26	280	168.28	145.01	10.97	54.07	1931
8	8.63	7.57	0.50	9.51	250	219.08	192.15	12.70	82.13	1724
10	10.75	9.49	0.59	14.10	230	273.05	241.12	15.06	121.78	1586
12	12.75	11.29	0.69	19.39	230	323.85	286.87	17.45	167.55	1586
14	14.00	12.41	0.75	23.26	220	355.60	315.21	19.05	200.98	1517
16	16.00	14.21	0.84	29.89	220	406.40	361.01	21.41	258.26	1517
18	18.00	16.01	0.94	35.42	220	457.20	406.76	23.80	306.02	1517
20	20.00	17.81	1.03	45.88	220	508.00	452.48	26.19	396.39	1517
24	24.00	21.42	1.22	64.96	210	609.60	544.02	30.94	561.25	1448

Pressure ratings are for water, non shock @ 23°C. Threaded pipe requires a 50% reduction in pressure rating. Max service temperature for PVC pipe is 60°C, pressure rating is reduced at elevated temperatures. Pressure ratings above are for PVC Pipe Type 1, cell classification 12454 to ASTM D1784, fittings, valves & flanges have pressure ratings significantly lower than pipe & must be considered in the pressure rating of the complete system. Chemical compatibility should be considered as some chemicals will affect pressure rating.

PVC pipe systems are not suitable for use with compressed air or gas, explosive failure may cause death.

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