



UPVC / CPVC PIPE FITTING VALVE

UPVC schedule 80 pipe

Scope : This specification covers requirements for schedule 80 UPVC pressure pipe as described in ASTM D-1785.

Material : UPVC used is Type I, Grade I compound, cell classification 12454-B per ASTM D-1784.

Dimensions : Dimensions and tolerances shall be as shown in the following tables when measured

according to Method D-2122. Tolerances for out-of-roundness shall apply only to pipe prior to shipment.

Marking: Indicates manufacturer's name, material designation code, nominal pipe size, schedule size with pressure rating in PSI for water at 73°F, ASTM designation number D-1785.

Schedule 80 Dimensions

單位 (unit) : inch

Nom Pipe Size(in).	O.D.	Average I.D.	Min. Wall	Nom. Wt./Ft.	Max W.P. PSI	code
1/8	0.405	0.195	0.095	0.063	1230	11-PIO-08-0003
1/4	0.540	0.282	0.119	0.105	1130	11-PIO-08-0008
3/8	0.675	0.403	0.126	0.146	920	11-PIO-08-0010
1/2	0.840	0.526	0.147	0.213	850	11-PIO-08-0015
3/4	1.050	0.722	0.154	0.289	690	11-PIO-08-0020
1	1.315	0.936	0.179	0.424	630	11-PIO-08-0025
1-1/4	1.660	1.255	0.191	0.586	520	11-PIO-08-0032
1-1/2	1.900	1.476	0.200	0.711	470	11-PIO-08-0040
2	2.375	1.913	0.218	0.984	400	11-PIO-08-0050
2-1/2	2.875	2.290	0.276	1.500	420	11-PIO-08-0065
3	3.500	2.864	0.300	2.010	370	11-PIO-08-0080
3-1/2	4.000	3.326	0.318	2.452	350	11-PIO-08-0090
4	4.500	3.786	0.337	2.983	320	11-PIO-08-0100
5	5.563	4.768	0.375	4.078	290	11-PIO-08-0125
6	6.625	5.709	0.432	5.610	280	11-PIO-08-0150
8	8.625	7.565	0.500	8.522	250	11-PIO-08-0200
10	10.750	9.493	0.593	12.635	230	11-PIO-08-0250
12	12.750	11.294	0.687	17.384	230	11-PIO-08-0300
14	14.000	12.410	0.750	20.852	220	11-PIO-08-0350
16	16.000	14.231	0.843	26.810	220	11-PIO-08-0400
18	18.000	16.014	0.937	33.544	220	11-PIO-08-0450
20	20.000	17.814	1.031	41.047	220	11-PIO-08-0500
24	24.000	21.418	1.218	58.233	210	11-PIO-08-0600



UPVC / CPVC PIPE FITTING VALVE

CPVC schedule 80 pipe

Scope : This specification covers requirements for schedule 80 CPVC pressure pipe as described in ASTM F-441.

Material : CPVC used is Type IV, Grade I compound, cell classification 23447-B per ASTM D-1784.

Dimensions : Dimensions and tolerances shall be as shown in the following tables when measured

according to Method D-2122. Tolerances for out-of-roundness shall apply only to pipe prior to shipment.

Marking: Indicates manufacturer's name, material designation code, nominal pipe size, schedule size with pressure rating in PSI for water at 73°F, ASTM designation number F-441.

Schedule 80 Dimensions

單位(unit): inch

Nom Pipe Size(in).	O.D.	Average I.D.	Min. Wall	Nom. Wt./Ft.	Max W.P. PSI	code
1/4	0.540	0.282	0.119	0.117	1130	41-PIO-08-0008
3/8	0.675	0.403	0.126	0.162	920	41-PIO-08-0010
1/2	0.840	0.526	0.147	0.238	850	41-PIO-08-0015
3/4	1.050	0.722	0.154	0.322	690	41-PIO-08-0020
1	1.315	0.936	0.179	0.473	630	41-PIO-08-0025
1-1/4	1.660	1.255	0.191	0.654	520	41-PIO-08-0032
1-1/2	1.900	1.476	0.200	0.793	470	41-PIO-08-0040
2	2.375	1.913	0.218	1.097	400	41-PIO-08-0050
2-1/2	2.875	2.290	0.276	1.674	420	41-PIO-08-0065
3	3.500	2.864	0.300	2.242	370	41-PIO-08-0080
3-1/2	4.000	3.326	0.318	2.735	350	41-PIO-08-0090
4	4.500	3.786	0.337	3.277	320	41-PIO-08-0100
5	5.563	4.768	0.375	4.078	290	41-PIO-08-0125
6	6.625	5.709	0.432	6.258	280	41-PIO-08-0150
8	8.625	7.565	0.500	9.508	250	41-PIO-08-0200
10	10.750	9.493	0.593	14.095	230	41-PIO-08-0250
12	12.750	11.294	0.687	19.392	230	41-PIO-08-0300
14	14.000	12.410	0.750	23.261	220	41-PIO-08-0350
16	16.000	14.213	0.843	29.891	220	41-PIO-08-0400
18	18.000	16.014	0.937	35.419	220	41-PIO-08-0450
20	20.000	17.814	1.031	45.879	220	41-PIO-08-0500
24	24.000	21.418	1.281	64.959	210	41-PIO-08-0600