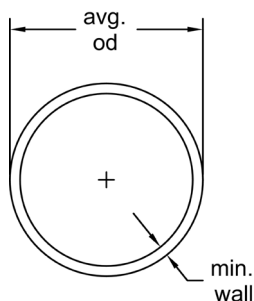


UPVC Imperial - Sch 80 Pipe & Fittings

Pipes - Sch 80 Grey Pipe ASTM D1785

Plain End Pipe - 20 ft lengths

Max Water Pressure at 73°F (22.7°C) with solvent-cemented joints



Size [inch]	Plain End Code
1/8	H0800013PG2000
1/4	H0800025PG2000
3/8	H0800038PG2000
1/2	H0800050PG2000
3/4	H0800075PG2000
1	H0800100PG2000
1 1/4	H0800125PG2000
1 1/2	H0800150PG2000
2	H0800200PG2000
2 1/2	H0800250PG2000
3	H0800300PG2000
3 1/2	H0800350PG2000
4	H0800400PG2000
5	H0800500PG2000
6	H0800600PG2000
8	H0800800PG2000
10	H0801000PG2000
12	H0801200PG2000
14	H0801400PG2000
16	H0801600PG2000
18	H0801800PG2000
20	H0802000PG2000
24	H0802400PG2000

Pipe Size [inch]	Lift Qty. (20ft Lgths) [ft]	Average O.D. [inch]	Average I.D. [inch]	min. wall [inch]	Wt/Ft [lbs/ft]	Max Water Pressure [psi]
1/8		0.405	0.203	0.095	0.058	1230
1/4		0.540	0.288	0.119	0.100	1130
3/8		0.675	0.407	0.126	0.138	920
1/2	5700	0.840	0.528	0.147	0.202	850
3/4	5260	1.050	0.724	0.154	0.273	690
1	4280	1.315	0.935	0.179	0.402	630
1 1/4	2360	1.660	1.256	0.191	0.554	520
1 1/2	2060	1.900	1.476	0.200	0.673	470
2	1660	2.375	1.913	0.218	0.932	400
2 1/2	1080	2.875	2.289	0.276	1.419	420
3	840	3.500	2.864	0.300	1.903	370
3 1/2		4.000	3.326	0.318	2.322	350
4	520	4.500	3.786	0.337	2.782	320
5	400	5.563	4.767	0.375	3.867	290
6	340	6.625	5.709	0.432	5.313	280
8	220	8.625	7.565	0.500	8.058	250
10	80	10.750	9.492	0.593	11.956	230
12	60	12.750	11.294	0.687	16.437	230
14	60	14.000	12.410	0.750	19.790	220
16	40	16.000	14.214	0.843	25.430	220
18	60	18.000	16.014	0.937	31.830	220
20	40	20.000	17.814	1.031	40.091	220
24	40	24.000	21.418	1.218	56.882	210

PF 2 H1 H18 001

inch	Pressure Rating of Pipe at Service Temperature (bar)						
	23°C	32°C	38°C	43°C	49°C	54°C	60°C
½	55.427	43.820	36.241	29.214	23.357	17.570	12.884
¾	47.403	35.552	29.351	23.702	18.948	14.193	10.404
1	43.407	32.590	26.871	21.704	17.363	13.022	9.577
1¼	35.828	26.871	22.186	17.914	14.331	10.748	7.855
1½	32.452	24.322	20.119	16.192	12.953	9.715	7.166
2	27.836	20.877	17.294	13.918	11.162	8.337	6.132
2½	29.283	21.979	18.121	14.607	11.713	8.750	6.408
3	25.838	19.361	16.054	12.953	10.335	7.786	5.719
4	22.324	16.743	13.849	11.162	8.957	6.683	4.892
6	19.223	14.400	11.920	9.646	7.717	5.788	4.203
8	16.949	12.747	10.542	8.475	6.752	5.099	3.721
10	15.847	Data available on request					
12	15.847						
14	15.158						
16	15.158						

- 1 Figures for pressure rating at 23°C are rounded off from actual calculated values. Pressure ratings for other temperatures are calculated from 23°C values.
- 2 Pressure rating values are for PVC (12454-B) pipe and for most values are calculated from the experimentally determined long term strength of PVC1 extrusion compounds. Because moulding compounds may differ in long term strength and elevated temperature properties from pipe compounds, piping systems consisting of extruded pipe and moulding fittings may have lower pressure ratings than those shown here, particularly at the higher temperatures. Caution should be exercised when designing PVC systems operating above 40°C.
- 3 Pressure ratings given for solvent cemented systems. When adding valves, flanges or other components, the system must be derated to the rating of the lowest component. (Pressure ratings: Mould or cut threads are rated at 50% of solvent cemented systems; flanges and unions are 10 bar; for values see manufacturer's recommendation).