

PVC Class 160 IPS Plastic Pipe

(1120, 1220) SDR 26 C=150

psi Loss per 100 Feet of Pipe (psi/100 ft.)

Sizes 1" through 6" Flow 1 through 600 gpm

Size	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"
O.D.	1.315	1.660	1.900	2.375	2.875	3.500	4.500	6.625
I.D.	1.195	1.532	1.754	2.193	2.655	3.230	4.154	6.115
Wall Thk	0.06	0.064	0.073	0.091	0.110	0.135	0.173	0.225
Flow gpm	Velocity fps	psi Loss	Velocity fps	psi Loss	Velocity fps	psi Loss	Velocity fps	psi Loss
1	0.29	0.02	0.17	0.01	0.13	0.00	0.08	0.00
2	0.57	0.06	0.35	0.02	0.27	0.01	0.17	0.00
3	0.86	0.14	0.52	0.04	0.40	0.02	0.25	0.01
4	1.14	0.23	0.70	0.07	0.53	0.04	0.34	0.01
5	1.43	0.35	0.87	0.11	0.66	0.05	0.42	0.02
6	1.72	0.49	1.04	0.15	0.80	0.08	0.51	0.03
7	2.00	0.66	1.22	0.20	0.93	0.10	0.59	0.03
8	2.29	0.84	1.39	0.25	1.06	0.13	0.68	0.04
9	2.57	1.04	1.57	0.31	1.20	0.16	0.76	0.05
10	2.86	1.27	1.74	0.38	1.33	0.20	0.85	0.07
11	3.15	1.51	1.91	0.45	1.46	0.23	0.93	0.08
12	3.43	1.78	2.09	0.53	1.59	0.27	1.02	0.09
14	4.00	2.36	2.44	0.71	1.86	0.37	1.19	0.12
16	4.58	3.02	2.78	0.90	2.12	0.47	1.36	0.16
18	5.15	3.76	3.13	1.12	2.39	0.58	1.53	0.20
20	5.72	4.57	3.48	1.36	2.66	0.71	1.70	0.24
22	6.29	5.45	3.83	1.63	2.92	0.84	1.87	0.28
24	6.87	6.40	4.18	1.91	3.19	0.99	2.04	0.33
26	7.44	7.43	4.53	2.22	3.45	1.15	2.21	0.39
28	8.01	8.52	4.87	2.54	3.72	1.32	2.38	0.44
30	8.58	9.68	5.22	2.89	3.98	1.50	2.55	0.50
35	10.01	12.87	6.09	3.84	4.65	1.99	2.97	0.67
40	11.44	16.48	6.96	4.92	5.31	2.55	3.40	0.86
45	12.87	20.49	7.83	6.12	5.98	3.17	3.82	1.07
50	14.30	24.90	8.70	7.43	6.64	3.85	4.25	1.30
55	15.73	29.70	9.57	8.87	7.30	4.59	4.67	1.55
60	17.16	34.89	10.44	10.42	7.97	5.39	5.10	1.82
65	18.59	40.45	11.31	12.08	8.63	6.25	5.52	2.11
70	20.02	46.40	12.18	13.85	9.29	7.17	5.95	2.42
75			13.05	15.74	9.96	8.15	6.37	2.75
80			13.92	17.74	10.62	9.18	6.80	3.10
85			14.79	19.84	11.29	10.27	7.22	3.46
90			15.66	22.05	11.95	11.42	7.64	3.85
95			16.53	24.37	12.61	12.62	8.07	4.26
100			17.41	26.80	13.28	13.87	8.49	4.68
110			19.15	31.97	14.61	16.55	9.34	5.58
120					15.93	19.44	10.19	6.56
130					17.26	22.54	11.04	7.60
140					18.59	25.85	11.89	8.72
150					19.92	29.37	12.74	9.91
160					13.59	11.16	9.27	4.40
170					14.44	12.49	9.85	4.93
180					15.29	13.88	10.43	5.48
190					16.14	15.34	11.01	6.05
200					16.99	16.87	11.59	6.65
225					19.11	20.98	13.04	8.27
250							14.49	10.06
275							15.94	11.99
300							17.39	14.09
325							18.83	16.34
350							13.70	7.22
375							14.68	8.20
400							15.66	9.24
425							16.64	10.34
450							17.62	11.49
475							18.60	12.70
500							19.58	13.97
550								13.02
600								5.75

Note: Dark shaded area of chart indicates velocities over 5' per second. Use with caution

Velocity of flow values are computed from the general equation $V = .408 \frac{Q}{d^2}$

Friction pressure loss values are computed from the equation: $[hf = 0.2083 \left(\frac{100}{C}\right)^{1.852} \left(\frac{Q^{1.852}}{d^{4.866}}\right)] \times 4.33$ for psi loss per 100' of pipe