

Pressure Drop in IPS Pipe

Pressure Drop Per 100 Feet, Calculated For Water Flow

SIZE	½"			¾"			1"			1¼"			1½"			2"		
	VEL	DROP		VEL	DROP		VEL	DROP		VEL	DROP		VEL	DROP		VEL	DROP	
	FT/S	FT OF HD	PSI	FT/S	FT OF HD	PSI	FT/S	FT OF HD	PSI	FT/S	FT OF HD	PSI	FT/S	FT OF HD	PSI	FT/S	FT OF HD	PSI
1	1.06	1.00	0.43															
2	2.11	3.60	1.54	1.20	0.09	0.39												
3	3.17	7.60	3.29	1.80	1.90	0.83	1.11	0.60	0.26									
4	4.22	12.9	5.59	2.40	3.30	1.42	1.49	1.00	0.44	0.86	0.30	0.12						
5	5.28	19.5	8.45	3.00	5.00	2.15	1.86	1.50	0.66	1.07	0.40	0.17	0.79	0.20	0.08			
6	6.33	27.4	11.84	3.60	7.00	3.01	2.23	2.20	0.93	1.29	0.60	0.25	0.95	0.30	0.12	0.57	0.10	0.03
8	8.45	46.6	20.17	4.80	11.9	5.13	2.97	3.7	1.59	1.71	1.10	0.47	1.26	0.50	0.20	0.76	0.10	0.06
10	10.6	70.5	30.5	6.00	17.9	7.76	3.71	5.50	2.40	2.14	1.50	0.63	1.58	0.70	0.30	0.96	0.20	0.09
15				9.01	38.0	16.45	5.57	11.7	5.80	3.21	3.10	1.34	2.36	1.50	0.63	1.43	0.40	0.19
20				12.0	64.7	28.00	7.43	20.0	8.66	4.28	5.30	2.28	3.15	2.50	1.08	1.91	0.70	0.32
25							9.28	30.2	13.09	5.35	8.00	3.45	3.94	3.80	1.63	2.39	1.10	0.48
30							11.14	42.4	18.34	6.43	11.2	4.83	4.73	5.30	2.28	2.87	1.60	0.68
40										8.57	19.0	8.23	6.30	9.00	3.89	3.82	2.70	1.15
50										10.71	28.7	12.44	7.88	13.5	5.88	4.78	4.00	1.74
60													9.45	19.0	8.24	5.74	5.60	2.44
70													11.03	25.3	10.96	6.69	7.50	3.25
80																7.65	9.50	4.16
100																9.61	14.6	6.30

NOTE: 1" IPS = 1¼" C.T.S.

