

Discharge Pressure Drop (per 100 feet) and Velocity in Schedule 40 Pipe for Water at 60° F

Gallons per Minute	Cubic Ft. per Second	Velocity Ft. per Second	Press. Drop (PSI)	Velocity Ft. per Second	Press. Drop (PSI)	Velocity Ft. per Second	Press. Drop (PSI)	Velocity Ft. per Second	Press. Drop (PSI)	Velocity Ft. per Second	Press. Drop (PSI)	Velocity Ft. per Second	Press. Drop (PSI)	Velocity Ft. per Second	Press. Drop (PSI)	Velocity Ft. per Second	Press. Drop (PSI)
1	0.00223																
2	0.00446																
3	0.00668																
4	0.00891																
5	0.01114																
10	0.02228	0.956	0.108														
20	0.04456	1.91	0.375	0.868	0.056												
30	0.06684	2.87	0.786	1.30	0.114												
40	0.08912	3.83	1.35	1.74	0.192	1.01	0.052										
50	0.1114	4.87	2.03	2.17	0.288	1.26	0.076										
60	0.1337	5.74	2.87	2.60	0.46	1.51	0.107										
70	0.1560	6.70	3.84	3.04	0.540	1.76	0.143	1.12	0.047								
80	0.1782	7.65	4.97	3.47	0.687	2.02	0.180	1.28	0.060								
90	0.2005	8.60	6.20	3.91	0.861	2.27	0.224	1.44	0.074								
100	0.2228	9.56	7.59	4.34	1.05	2.52	0.272	1.60	0.090	1.11	0.036						
150	0.3342	14.36	16.70	6.51	2.24	3.78	0.580	2.41	0.190	1.67	0.077						
200	0.4456	19.14	28.80	8.68	3.87	5.04	0.985	3.21	0.323	2.22	0.130						
250	0.557			10.85	5.93	6.30	1.46	4.01	0.495	2.78	0.195	1.60	0.051				
300	0.6684			13.00	8.36	7.56	2.11	4.81	0.683	3.33	0.275	1.92	0.072				
350	0.7798					8.82	2.84	5.62	0.919	3.89	0.367	2.24	0.095				
400	0.8912					10.08	3.68	6.42	1.19	4.44	0.471	2.56	0.121				
450	1.003					11.34	4.60	7.22	1.48	5.0	0.590	2.89	0.151				
500	1.114					12.60	5.65	8.02	1.81	5.55	0.720	3.21	0.182	2.03	0.059		
600	1.337					15.12	8.04	9.63	2.55	6.66	1.02	3.85	0.258	2.44	0.083		
700	1.560							11.23	3.43	7.78	1.35	4.49	0.343	2.85	0.112	2.01	0.047
800	1.782							12.83	4.43	8.88	1.75	5.13	0.443	3.25	0.142	2.29	0.061
900	2.005							14.44	5.58	9.99	2.18	5.77	0.554	3.66	0.179	2.58	0.075
1000	2.228							16.04	6.84	11.10	2.68	6.41	0.675	4.06	0.218	2.87	0.091
1500	3.342									16.66	5.85	9.62	1.46	6.10	0.466	4.29	0.195
2000	4.456									22.21	10.3	12.82	2.55	8.12	0.808	5.73	0.339
2500	5.570											16.03	3.94	10.17	1.24	7.17	0.515
3000	6.684											19.24	5.59	12.20	1.76	8.59	0.731
3500	7.798											22.44	7.56	14.24	2.38	10.03	0.982
4000	8.912											25.65	9.80	16.27	3.08	11.47	1.27
4500	10.03											28.87	12.2	18.31	3.87	12.29	1.60