

# 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	