

**FRICTION LOSS CHARACTERISTICS
PVC CLASS 160 IPS PLASTIC PIPE
SDR 26 C=150
PRESSURE LOSS PER 100 FT OF PIPE (PSI/100FT)**

C=	150									
SIZE	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
OD	2.875	3.5	4.5	5.563	6.625	8.625	10.75	12.75	14	16
ID	2.655	3.23	4.154	5.135	6.115	7.961	9.924	11.77	12.924	17.77
WALL THK	0.11	0.135	0.173	0.214	0.255	0.332	0.413	0.49	0.538	0.615

FLOW GPM	2-1/2"		3"		4"		5"		6"		8"		10"		12"		14"		16"		FLOW GPM
	VELOCIT Y ft/sec	PSI LOSS	VELOCIT Y ft/sec	PSI LOSS	VELOCIT Y ft/sec	PSI LOSS	VELOCIT Y ft/sec	PSI LOSS	VELOCIT Y ft/sec	PSI LOSS	VELOCIT Y ft/sec	PSI LOSS	VELOCIT Y ft/sec	PSI LOSS	VELOCIT Y ft/sec	PSI LOSS	VELOCIT Y ft/sec	PSI LOSS	VELOCIT Y ft/sec	PSI LOSS	
60	3.473	0.72	2.346	0.28	1.419	0.08	0.928	0.03	0.655	0.01											60
65	3.762	0.84	2.542	0.32	1.537	0.09	1.006	0.03	0.709	0.01	0.418	0.00									65
70	4.052	0.96	2.737	0.37	1.655	0.11	1.083	0.04	0.764	0.02	0.451	0.00									70
75	4.341	1.09	2.933	0.42	1.773	0.12	1.160	0.04	0.818	0.02	0.483	0.01									75
80	4.630	1.23	3.129	0.47	1.892	0.14	1.238	0.05	0.873	0.02	0.515	0.01									80
85	4.920	1.38	3.324	0.53	2.010	0.16	1.315	0.06	0.927	0.02	0.547	0.01									85
90	5.209	1.53	3.520	0.59	2.128	0.17	1.393	0.06	0.982	0.03	0.579	0.01									90
95	5.499	1.69	3.715	0.65	2.246	0.19	1.470	0.07	1.037	0.03	0.612	0.01									95
100	5.788	1.86	3.911	0.72	2.364	0.21	1.547	0.08	1.091	0.03	0.644	0.01									100
105	6.077	2.04	4.106	0.78	2.483	0.23	1.625	0.08	1.146	0.04	0.676	0.01									105
110	6.367	2.22	4.302	0.85	2.601	0.25	1.702	0.09	1.200	0.04	0.708	0.01	0.456	0.00							110
115	6.656	2.41	4.497	0.93	2.719	0.27	1.779	0.10	1.255	0.04	0.740	0.01	0.476	0.00							115
120	6.946	2.61	4.693	1.00	2.837	0.30	1.857	0.11	1.309	0.04	0.773	0.01	0.497	0.00							120
125	7.235	2.81	4.888	1.08	2.956	0.32	1.934	0.11	1.364	0.05	0.805	0.01	0.518	0.00							125
130	7.524	3.02	5.084	1.16	3.074	0.34	2.012	0.12	1.418	0.05	0.837	0.01	0.539	0.00							130
135	7.814	3.24	5.279	1.25	3.192	0.37	2.089	0.13	1.473	0.06	0.869	0.02	0.559	0.01							135
140	8.103	3.47	5.475	1.34	3.310	0.39	2.166	0.14	1.528	0.06	0.901	0.02	0.580	0.01							140
145	8.393	3.70	5.671	1.43	3.428	0.42	2.244	0.15	1.582	0.06	0.933	0.02	0.601	0.01							145
150	8.682	3.94	5.866	1.52	3.547	0.45	2.321	0.16	1.637	0.07	0.966	0.02	0.621	0.01							150
160	9.261	4.44	6.257	1.71	3.783	0.50	2.476	0.18	1.746	0.08	1.030	0.02	0.663	0.01	0.471	0.00					160
170	9.840	4.97	6.648	1.91	4.020	0.56	2.630	0.20	1.855	0.09	1.094	0.02	0.704	0.01	0.501	0.00					170
180	10.418	5.52	7.039	2.13	4.256	0.63	2.785	0.22	1.964	0.10	1.159	0.03	0.746	0.01	0.530	0.00					180
190	10.997	6.11	7.430	2.35	4.492	0.69	2.940	0.25	2.073	0.11	1.223	0.03	0.787	0.01	0.560	0.00					190
200	11.576	6.72	7.821	2.59	4.729	0.76	3.095	0.27	2.182	0.12	1.288	0.03	0.829	0.01	0.589	0.00					200
210	12.155	7.35	8.212	2.83	4.965	0.83	3.249	0.30	2.291	0.13	1.352	0.04	0.870	0.01	0.618	0.01					210
220	12.734	8.01	8.604	3.09	5.202	0.91	3.404	0.32	2.400	0.14	1.416	0.04	0.911	0.01	0.648	0.01	0.537	0.00			220
230	13.312	8.70	8.995	3.35	5.438	0.99	3.559	0.35	2.510	0.15	1.481	0.04	0.953	0.01	0.677	0.01	0.562	0.00			230
240	13.891	9.41	9.386	3.63	5.675	1.07	3.714	0.38	2.619	0.16	1.545	0.04	0.994	0.02	0.707	0.01	0.586	0.00			240
250	14.470	10.15	9.777	3.91	5.911	1.15	3.868	0.41	2.728	0.18	1.609	0.05	1.036	0.02	0.736	0.01	0.611	0.00			250
260	15.049	10.92	10.168	4.21	6.148	1.24	4.023	0.44	2.837	0.19	1.674	0.05	1.077	0.02	0.766	0.01	0.635	0.00			260
270	15.628	11.71	10.559	4.51	6.384	1.33	4.178	0.47	2.946	0.20	1.738	0.06	1.119	0.02	0.795	0.01	0.660	0.01			270
280			10.950	4.82	6.620	1.42	4.332	0.51	3.055	0.22	1.803	0.06	1.160	0.02	0.825	0.01	0.684	0.01			280
290			11.341	5.15	6.857	1.51	4.487	0.54	3.164	0.23	1.867	0.06	1.201	0.02	0.854	0.01	0.708	0.01			290
300			11.732	5.48	7.093	1.61	4.642	0.57	3.273	0.25	1.931	0.07	1.243	0.02	0.884	0.01	0.733	0.01			300
325			12.710	6.36	7.684	1.87	5.029	0.67	3.546	0.28	2.092	0.08	1.346	0.03	0.957	0.01	0.794	0.01			325
350			13.687	7.29	8.276	2.14	5.416	0.76	3.819	0.33	2.253	0.09	1.450	0.03	1.031	0.01	0.855	0.01			350
375			14.665	8.29	8.867	2.44	5.802	0.87	4.092	0.37	2.414	0.10	1.554	0.04	1.104	0.02	0.916	0.01			375
400			15.643	9.34	9.458	2.75	6.189	0.98	4.364	0.42	2.575	0.12	1.657	0.04	1.178	0.02	0.977	0.01			400
425					10.049	3.07	6.576	1.09	4.637	0.47	2.736	0.13	1.761	0.04	1.252	0.02	1.038	0.01			425
450					10.640	3.41	6.963	1.22	4.910	0.52	2.897	0.14	1.864	0.05	1.325	0.02	1.099	0.01	0.581	0.00	450
475					11.231	3.77	7.350	1.35	5.183	0.58	3.058	0.16	1.968	0.05	1.399	0.02	1.160	0.02	0.614	0.00	475
500					11.822	4.15	7.737	1.48	5.456	0.63	3.219	0.18	2.071	0.06	1.473	0.03	1.221	0.02	0.646	0.00	500
550					13.004	4.95	8.510	1.76	6.001	0.75	3.541	0.21	2.279	0.07	1.620	0.03	1.343	0.02	0.711	0.00	550
600					14.187	5.82	9.284	2.07	6.547	0.89	3.863	0.25	2.486	0.08	1.767	0.04	1.466	0.02	0.775	0.00	600
650					10.058	2.40	7.092	1.03	4.184	0.28	2.693	0.10	1.914	0.04	1.588	0.03	0.840	0.01			650
700					10.831	2.76	7.638	1.18	4.506	0.33	2.900	0.11	2.062	0.05	1.710	0.03	0.904	0.01			700
750					11.605	3.13	8.183	1.34	4.828	0.37	3.107	0.13	2.209	0.06	1.832	0.04	0.969	0.01			750
800					12.379	3.53	8.729	1.51	5.150	0.42	3.314	0.14	2.356	0.06	1.954	0.04	1.034	0.01			800
900							9.820	1.88	5.794	0.52	3.728	0.18	2.651	0.08	2.198	0.05	1.163	0.01			900
1000							10.911	2.28	6.438	0.63	4.143	0.22	2.945	0.09	2.443	0.06	1.292	0.01			1000
1100									12.002	2.72	7.081	0.75	4.557	0.26	3.240	0.11	2.687	0.07	1.421	0.02	1100
1200									13.093	3.20	7.725	0.89	4.971	0.30	3.534	0.13	2.931	0.08	1.550	0.02	1200
1300											8.369	1.03	5.386	0.35	3.829	0.15	3.175	0.10	1.680	0.02	1300
1400											9.013	1.18	5.800	0.40	4.123	0.18	3.420	0.11	1.809	0.02	1400
1500											9.656	1.34	6.214	0.46	4.418	0.20	3.664	0.13	1.938	0.03	1500
2000											12.875	2.28	8.285	0.78	5.890	0.34	4.885	0.22	2.584	0.05	2000
2500											16.094	3.45	10.357	1.18	7.363	0.51	6.107	0.33	3.230	0.07	2500
3000													12.428	1.66	8.835	0.72	7.328	0.46	3.876	0.10	3000
3500													14.500	2.20	10.308	0.96	8.549	0.61	4.522	0.13	3500



NOTE: SHADED AREAS INDICATE VELOCITIES OVER 5 FT/SEC. USE WITH CAUTION