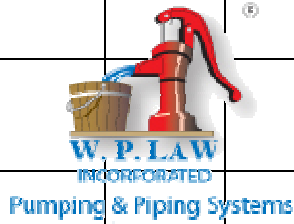


**FRICTION LOSS CHARACTERISTICS  
PVC CLASS 160 IPS PLASTIC PIPE  
SDR 26 C=150  
PRESSURE LOSS PER 100 FT OF PIPE (PSI/100FT)**

<b>C=</b>	<b>150</b>									
<b>SIZE</b>	<b>1/2"</b> *	<b>3/4"</b> **	<b>1"</b> **	<b>1-1/4"</b>	<b>1-1/2"</b>	<b>2"</b>	<b>2-1/2"</b>	<b>3"</b>	<b>4"</b>	<b>5"</b>
<b>OD</b>	0.84	1.05	1.315	1.66	1.9	2.375	2.875	3.5	4.5	5.563
<b>ID</b>	0.716	0.93	1.189	1.532	1.754	2.193	2.655	3.23	4.154	5.135
<b>WALL THK</b>	0.062	0.06	0.063	0.064	0.073	0.091	0.11	0.135	0.173	0.214

FLOW GPM	1/2"		3/4"		1"		1-1/4"		1-1/2"		2"		2-1/2"		3"		4"		5"		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	
1	0.796	0.22	0.472	0.06	0.289	0.02	0.174	0.01	0.133	0.00											1
2	1.592	0.78	0.943	0.22	0.577	0.07	0.348	0.02	0.265	0.01	0.170	0.00									2
3	2.388	1.65	1.415	0.46	0.866	0.14	0.522	0.04	0.398	0.02	0.255	0.01									3
4	3.183	2.82	1.887	0.79	1.154	0.24	0.695	0.07	0.530	0.04	0.339	0.01	0.232	0.00							4
5	3.979	4.26	2.359	1.19	1.443	0.36	0.869	0.11	0.663	0.05	0.424	0.02	0.289	0.01							5
6	4.775	5.97	2.830	1.67	1.732	0.51	1.043	0.15	0.796	0.08	0.509	0.03	0.347	0.01	0.235	0.00					6
7	5.571	7.95	3.302	2.23	2.020	0.67	1.217	0.20	0.928	0.10	0.594	0.03	0.405	0.01	0.274	0.01					7
8	6.367	10.18	3.774	2.85	2.309	0.86	1.391	0.25	1.061	0.13	0.679	0.04	0.463	0.02	0.313	0.01					8
9	7.163	12.66	4.246	3.55	2.597	1.07	1.565	0.31	1.194	0.16	0.764	0.05	0.521	0.02	0.352	0.01					9
10	7.959	15.38	4.717	4.31	2.886	1.30	1.738	0.38	1.326	0.20	0.848	0.07	0.579	0.03	0.391	0.01					10
11	8.754	18.35	5.189	5.14	3.175	1.56	1.912	0.45	1.459	0.23	0.933	0.08	0.637	0.03	0.430	0.01					11
12	9.550	21.56	5.661	6.04	3.463	1.83	2.086	0.53	1.591	0.28	1.018	0.09	0.695	0.04	0.469	0.01	0.284	0.00			12
14	11.142	28.69	6.604	8.04	4.040	2.43	2.434	0.71	1.857	0.37	1.188	0.12	0.810	0.05	0.547	0.02	0.331	0.01			14
16	12.734	36.73	7.548	10.29	4.618	3.11	2.781	0.91	2.122	0.47	1.357	0.16	0.926	0.06	0.626	0.02	0.378	0.01			16
18	14.325	45.69	8.491	12.80	5.195	3.87	3.129	1.13	2.387	0.58	1.527	0.20	1.042	0.08	0.704	0.03	0.426	0.01			18
20	15.917	55.53	9.435	15.56	5.772	4.71	3.477	1.37	2.652	0.71	1.697	0.24	1.158	0.09	0.782	0.04	0.473	0.01			20
22	17.509	66.25	10.378	18.56	6.349	5.62	3.824	1.64	2.918	0.85	1.866	0.29	1.273	0.11	0.860	0.04	0.520	0.01	0.340	0.00	22
24	19.101	77.84	11.322	21.81	6.926	6.60	4.172	1.92	3.183	0.99	2.036	0.34	1.389	0.13	0.939	0.05	0.567	0.01	0.371	0.01	24
26			12.265	25.29	7.504	7.65	4.520	2.23	3.448	1.15	2.206	0.39	1.505	0.15	1.017	0.06	0.615	0.02	0.402	0.01	26
28			13.208	29.01	8.081	8.78	4.867	2.56	3.713	1.32	2.375	0.45	1.621	0.18	1.095	0.07	0.662	0.02	0.433	0.01	28
30			14.152	32.96	8.658	9.97	5.215	2.91	3.979	1.50	2.545	0.51	1.736	0.20	1.173	0.08	0.709	0.02	0.464	0.01	30
35			16.511	43.86	10.101	13.27	6.084	3.87	4.642	2.00	2.969	0.67	2.026	0.27	1.369	0.10	0.828	0.03	0.542	0.01	35
40			18.869	56.16	11.544	16.99	6.953	4.95	5.305	2.56	3.393	0.86	2.315	0.34	1.564	0.13	0.946	0.04	0.619	0.01	40
45					12.987	21.13	7.823	6.16	5.968	3.19	3.818	1.07	2.605	0.42	1.760	0.16	1.064	0.05	0.696	0.02	45
50					14.430	25.69	8.692	7.48	6.631	3.87	4.242	1.31	2.894	0.52	1.955	0.20	1.182	0.06	0.774	0.02	50
55					15.873	30.65	9.561	8.93	7.294	4.62	4.666	1.56	3.183	0.61	2.151	0.24	1.300	0.07	0.851	0.02	55
60					17.316	36.00	10.430	10.49	7.957	5.43	5.090	1.83	3.473	0.72	2.346	0.28	1.419	0.08	0.928	0.03	60
65					18.759	41.76	11.299	12.16	8.620	6.30	5.514	2.12	3.762	0.84	2.542	0.32	1.537	0.09	1.006	0.03	65
70					20.202	47.90	12.169	13.95	9.283	7.22	5.939	2.44	4.052	0.96	2.737	0.37	1.655	0.11	1.083	0.04	70
75							13.038	15.86	9.946	8.21	6.363	2.77	4.341	1.09	2.933	0.42	1.773	0.12	1.160	0.04	75
80							13.907	17.87	10.609	9.25	6.787	3.12	4.630	1.23	3.129	0.47	1.892	0.14	1.238	0.05	80
85							14.776	19.99	11.272	10.35	7.211	3.49	4.920	1.38	3.324	0.53	2.010	0.16	1.315	0.06	85
90							15.645	22.23	11.936	11.50	7.635	3.88	5.209	1.53	3.520	0.59	2.128	0.17	1.393	0.06	90
95							16.515	24.57	12.599	12.72	8.059	4.29	5.499	1.69	3.715	0.65	2.246	0.19	1.470	0.07	95
100							17.384	27.01	13.262	13.98	8.484	4.72	5.788	1.86	3.911	0.72	2.364	0.21	1.547	0.08	100
110							19.122	32.23	14.588	16.68	9.332	5.63	6.367	2.22	4.302	0.85	2.601	0.25	1.702	0.09	110
120									15.914	19.60	10.180	6.61	6.946	2.61	4.693	1.00	2.837	0.30	1.857	0.11	120
130									17.240	22.73	11.029	7.67	7.524	3.02	5.084	1.16	3.074	0.34	2.012	0.12	130
140									18.566	26.08	11.877	8.79	8.103	3.47	5.475	1.34	3.310	0.39	2.166	0.14	140
150									19.893	29.63	12.725	9.99	8.682	3.94	5.866	1.52	3.547	0.45	2.321	0.16	150
160											13.574	11.26	9.261	4.44	6.257	1.71	3.783	0.50	2.476	0.18	160
170											14.422	12.60	9.840	4.97	6.648	1.91	4.020	0.56	2.630	0.20	170
180											15.271	14.01	10.418	5.52	7.039	2.13	4.256	0.63	2.785	0.22	180
190											16.119	15.48	10.997	6.11	7.430	2.35	4.492	0.69	2.940	0.25	190
200											16.967	17.02	11.576	6.72	7.821	2.59	4.729	0.76	3.095	0.27	200
225											19.088	21.17	13.023	8.35	8.799	3.22	5.320	0.95	3.481	0.34	225
250													14.470	10.15	9.777	3.91	5.911	1.15	3.868	0.41	250
275													15.917	12.11	10.754	4.67	6.502	1.37	4.255	0.49	275
300													17.364	14.23	11.732	5.48	7.093	1.61	4.642	0.57	300
325													18.811	16.50	12.710	6.36	7.684	1.87	5.029	0.67	325
350															13.687	7.29	8.276	2.14	5.416	0.76	350
375															14.665	8.29	8.867	2.44	5.802	0.87	375
400															15.643	9.34	9.458	2.75	6.189	0.98	400
425															16.620	10.45	10.049	3.07	6.576	1.09	425
450															17.598	11.62	10.640	3.41	6.963	1.22	450
475															18.576	12.84	11.231	3.77	7.350	1.35	475
500															19.554	14.12	11.822	4.15	7.737	1.48	500
550																	13.004	4.95	8.510	1.76	550
600																	14.187	5.82	9.284	2.07	600



\* CLASS 315 SDR13.5

\*\* CLASS 200 SDR 21

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