

APPENDIX

Table losses same for all controlled OD
SDR 26 thermoplastic pipe.

TABLE 6

PRESSURE LOSS

C = 150

160 psi PR SDR 26 PVC PIPE

Pipe Sizes: Nominal							Losses per 100 ft: lb/in ²						
gpm	1/2 in ⁽¹⁾	3/4 in ⁽¹⁾	1 in	1-1/4 in	1-1/2 in	2 in	gpm	2 in	2-1/2 in	3 in	4 in	6 in	8 in
1	0.248	0.067	0.019	0.005	0.003	0.001	105	5.35	2.10	0.802	0.235	0.036	0.010
2	0.896	.243	.070	.021	.011	.004	110	5.84	2.28	0.874	.256	.039	.011
3	1.90	.515	.148	.044	.022	.007	115	6.34	2.48	0.949	.278	.042	.012
4	3.23	0.876	.253	.074	.038	.013	120	6.86	2.68	1.03	.300	.046	.013
5	4.88	1.32	.382	.112	.057	.019	125		2.89	1.11	.324	.049	.014
6	6.84	1.86	.535	.157	.081	.027	130		3.11	1.19	.348	.053	.015
7	9.09	2.47	.711	.209	.107	.036	135		3.34	1.28	.373	.057	.016
8	11.64	3.16	0.911	.267	.137	.046	140		3.57	1.37	.399	.061	.017
9	14.48	3.93	1.13	.332	.171	.057	145		3.81	1.46	.426	.065	.018
10	17.59	4.77	1.38	0.404	0.207	0.069	150		4.05	1.55	0.454	0.069	0.019
11	20.98	5.69	1.64	.481	.247	.082	160		4.57	1.75	.511	.078	.022
12	24.65	6.69	1.93	.565	.290	.097	170		5.11	1.96	.572	.087	.024
13		7.75	2.24	.656	.337	.112	180			2.17	.636	.097	.027
14		8.89	2.56	.752	.386	.129	190	10 in		2.40	.703	.107	.030
15		10.11	2.91	.854	.439	.146	200	0.011		2.64	.773	.118	.033
16		11.39	3.28	0.963	.494	.165	210	.012		2.89	.846	.129	.036
17		12.74	3.67	1.08	.553	.184	220	.013		3.15	0.922	.140	.039
18		14.16	4.08	1.20	.615	.205	230	.014		3.42	1.00	.152	.042
19		15.65	4.51	1.32	.679	.227	240	.016		3.70	1.08	.165	.046
20		17.21	4.96	1.45	.747	.249	250	.017		3.99	1.17	0.178	0.049
22			5.92	1.74	0.891	0.297	260	.018			1.26	.191	.053
24			6.95	2.04	1.05	.349	270	.019			1.35	.205	.057
26			8.06	2.36	1.21	.405	280	.021			1.44	.219	.061
28	2-1/2 in		9.25	2.71	1.39	.464	290	.022	12 in		1.54	.234	.065
30	0.206		10.51	3.08	1.58	.527	300	0.024	0.010		1.64	.249	.069
32	.233		11.84	3.47	1.78	.594	325	.027	.012		1.90	.289	.080
34	.260		13.24	3.88	1.99	.665	350	.031	.014		2.18	.332	.092
36	.289			4.32	2.22	.739	375	.036	.016		2.47	.377	.104
38	.320	3 in		4.77	2.45	.817	400	.040	.018		2.79	.424	.118
40	.352	0.135		5.24	2.69	.898	425	.045	.020		3.12	.475	.132
42	.385	.147		5.74	2.95	0.983	450	.050	.022			0.528	0.146
44	.419	.161		6.26	3.21	1.07	475	.055	.024			.583	.162
46	.455	.174	4 in	6.79	3.49	1.16	500	.061	.027			.641	.178
48	.493	.189		7.35	3.77	1.26	550	.073	.032			.765	.212
50	0.531	0.203	0.059	7.92	4.07	1.36	600	0.085	0.037			0.899	.249
52	.571	.219	.064	8.52	4.38	1.46	650	.099	.043			1.04	.289
54	.613	.234	.069	9.14	4.69	1.56	700	.113	.049			1.20	.331
56	.655	.251	.073	9.77	5.02	1.67	800	.145	.063			1.53	.424
58	.699	.268	.078		5.35	1.79	900	.180	.079			1.90	.527
60	.744	.285	.083		5.70	1.90	1000	.219	.096				.640
62	.791	.303	.089		6.06	2.02	1100	.261	.114				.764
64	.839	.321	.094		6.42	2.14	1200	.307	.134				0.897
66	.888	.340	.099		6.80	2.27	1300	.356	.155				1.04
68	.938	.359	.105		7.19	2.40	1400	.408	.178				1.19
70	0.990	0.379	0.111		7.58	2.53	1500	.464	.202				1.36
75	1.12	.430	.126		8.62	2.87	2000	0.790	0.344				
80	1.27	.485	.142			3.24	2500	1.19	.521				
85	1.42	.543	.159			3.62	3000		.729				
90	1.58	.603	.176			4.03	3500		0.970				
95	1.74	.667	.195			4.45	4000						
100	1.92	0.733	0.214			4.89	5000						

(1) 1/2 and 3/4 in SDR 26 not standard. For convenience, losses for 1/2 in SDR 13.5 and 3/4 in SDR 21 listed.