

**PREMIER PLASTICS INC**  
**PIPE FRICTION HEAD LOSS FOR VARIOUS PIPE SIZES**

US GALLON PER MIN.	FRICTION HEAD LOSS - feet of water per 100 ft. of pipe ( Fully Flooded Flow)							
	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"	6"
1	0.11	-	-	-	-	-	-	-
2	0.38	0.10	-	-	-	-	-	-
3	0.77	0.21	0.10	-	-	-	-	-
4	1.30	0.35	0.16	-	-	-	-	-
5	1.92	0.51	0.24	-	-	-	-	-
6	2.69	0.71	0.33	0.10	-	-	-	-
8	4.58	1.19	0.55	0.17	-	-	-	-
10	6.88	1.78	0.83	0.25	0.11	-	-	-
15	14.63	3.75	1.74	0.52	0.22	-	-	-
20	25.07	6.39	2.94	0.86	0.36	0.13	-	-
25	38.41	9.71	4.44	1.29	0.54	0.19	-	-
30	54.74	13.62	6.26	1.81	0.75	0.26	-	-
35	74.06	18.17	8.37	2.42	1.00	0.35	0.09	-
40	95.45	23.55	10.70	3.11	1.28	0.44	0.12	-
45	-	29.44	13.46	3.84	1.54	0.55	0.15	-
50	-	36.02	16.45	4.67	1.93	0.66	0.17	-
60	-	51.06	23.48	6.60	2.71	0.93	0.25	-
70	-	-	31.53	8.83	3.66	1.24	0.33	-
80	-	-	40.46	11.43	4.67	1.58	0.41	-
90	-	-	50.60	14.26	5.82	1.98	0.52	-
100	-	-	59.80	17.46	7.11	2.42	0.63	0.08
125	-	-	95.22	27.05	10.83	3.70	0.95	0.13
150	-	-	-	38.41	15.39	5.15	1.33	0.18
175	-	-	-	51.29	20.63	6.90	1.78	0.23
200	-	-	-	66.24	26.86	8.90	2.27	0.30
225	-	-	-	-	33.65	11.11	2.83	0.37
250	-	-	-	-	-	13.64	3.36	0.45
275	-	-	-	-	-	16.42	4.12	0.54
300	-	-	-	-	-	19.23	4.85	0.63
325	-	-	-	-	-	22.75	5.68	0.74

Straight pipe equivalents: 90° elbow 20' | 45° elbow 12' | branch tee 15' | gate valve 15' | ball valve 25'