

TABLE A

Friction Losses Through Plastic Fittings in Terms of Equivalent Lengths of Plastic Pipe						
Type of Fitting	Nominal Size Fitting & Pipe Equivalent Length of Pipe - Feet					
	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
90° STD. Elbow	7.0	8.0	9.0	10.0	12.0	14.0
45° Elbow	3.0	3.0	4.0	4.0	6.0	8.0
STD. Tee (Diversion)	7.0	9.0	11.0	14.0	17.0	22.0
Check Valve	11.0	13.0	17.0	21.0	26.0	33.0
Coupling or Quick Disconnect	1.0	1.0	2.0	3.0	4.0	5.0
Gate Valve	0.9	1.1	1.4	1.7	2.0	2.3

TABLE C

Flow Rate as a Function of Operating Head and Hole Diameter in Drilled PVC Pipe							
Operating Head		Hole Diameter (in.)					
		3/32	1/8	5/32	3/16	7/32	1/4
Ft.	PSI	-Flow Rate (GPM) -					
1	0.43	0.10	0.18	0.29	0.42	0.56	0.74
2	0.87	0.15	0.26	0.41	0.59	0.80	1.05
3	1.30	0.18	0.32	0.50	0.72	0.98	1.28
4	1.73	0.21	0.37	0.58	0.83	1.13	1.48
5	2.16	0.23	0.41	0.64	0.94	1.26	1.65