

Table 7.12 – Flow Velocity								
Flow Rate	Flow Velocity ft/sec							
GPM	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"
0.5	1.67	0.91	0.62	0.45	0.27	0.18	0.13	0.08
0.75	2.50	1.36	0.93	0.68	0.41	0.28	0.20	0.12
1.0	3.33	1.81	1.24	0.91	0.55	0.37	0.26	0.15
1.5	5.00	2.72	1.86	1.36	0.82	0.55	0.40	0.23
2.0	6.67	3.62	2.48	1.81	1.10	0.74	0.53	0.31
2.5	8.34	4.53	3.10	2.27	1.37	0.92	0.66	0.38
3.0	10.00	5.43	3.72	2.72	1.65	1.10	0.79	0.46
3.5	11.67	6.34	4.34	3.18	1.92	1.29	0.92	0.54
4.0		7.24	4.96	3.63	2.20	1.47	1.06	0.62
4.5		8.15	5.58	4.08	2.47	1.65	1.19	0.69
5.0		9.05	6.20	4.54	2.75	1.84	1.32	0.77
6.0		10.86	7.44	5.44	3.30	2.21	1.58	0.92
7.0			8.68	6.35	3.85	2.57	1.85	1.08
8.0			9.92	7.26	4.40	2.94	2.11	1.23
9.0			11.16	8.17	4.95	3.31	2.38	1.39
10.0				9.07	5.50	3.68	2.64	1.54
11.0				9.98	6.05	4.04	2.90	1.69
12.0				10.89	6.60	4.41	3.17	1.85
13.0				11.79	7.15	4.78	3.43	2.00
14.0					7.70	5.15	3.70	2.16
15.0					8.25	5.52	3.96	2.31
16.0					8.80	5.88	4.22	2.46
17.0					9.35	6.25	4.49	2.62
18.0					9.90	6.62	4.75	2.77
19.0					10.45	6.99	5.02	2.92
20.0					11.00	7.35	5.28	3.08
25.0						9.19	6.60	3.85
30.0						11.03	7.92	4.62
35.0							9.24	5.39

Table 7.12 – Flow Velocity <i>(continued)</i>								
Flow Rate	Flow Velocity ft/sec							
GPM	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"
40.0							10.65	6.16
45.0							11.88	6.93
50.0								7.70
55.0								8.47
60.0								9.24
65.0								10.01
70.0								10.78
75.0								11.55

Table 7.13 – Pressure Loss								
60°F (16°C) Water								
Flow Rate	Pressure Loss psi/100 ft of Pipe							
GPM	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"
0.5	1.95	0.44	0.18	0.08	0.02	0.01	0.00	0.00
0.75	4.14	0.94	0.37	0.17	0.05	0.02	0.01	0.00
1.0	7.05	1.59	0.63	0.30	0.09	0.03	0.01	0.00
1.5	14.93	3.38	1.35	0.63	0.19	0.07	0.03	0.01
2.0	25.44	5.76	2.29	1.07	0.32	0.12	0.05	0.01
2.5	38.45	8.70	3.46	1.62	0.48	0.18	0.08	0.02
3.0	53.90	12.20	4.86	2.27	0.67	0.25	0.11	0.03
3.5	71.70	16.23	6.46	3.02	0.89	0.34	0.15	0.04
4.0		20.78	8.27	3.87	1.14	0.43	0.19	0.05
4.5		25.85	10.29	4.81	1.42	0.53	0.24	0.06
5.0		31.41	12.51	5.85	1.73	0.65	0.29	0.08
6.0		44.03	17.53	8.20	2.42	0.91	0.41	0.11
7.0			23.32	10.91	3.22	1.21	0.54	0.15
8.0			29.86	13.97	4.13	1.55	0.69	0.19
9.0			37.14	17.38	5.14	1.93	0.86	0.23
10.0				21.12	6.24	2.35	1.05	0.28