

150 C	Friction Loss PVC Sch 120 Pipe										
IPS Size											
1"				1-1/4"				1-1/2"			
O.D.= 1.315 Wall= 0.2 I.D.= 0.915				O.D.= 1.660 Wall= 0.215 I.D.= 1.230				O.D.= 1.900 Wall= 0.225 I.D.= 1.450			
GPM	Velocity (ft/s)	Velocity Head (ft)	Friction Loss (ft/100')	GPM	Velocity (ft/s)	Velocity Head (ft)	Friction Loss (ft/100')	GPM	Velocity (ft/s)	Velocity Head (ft)	Friction Loss (ft/100')
2	0.98	0.01	0.5	4.0	1.08	0.02	0.5	10	1.94	0.06	1.1
3	1.46	0.03	1.2	5.0	1.35	0.03	0.7	12	2.33	0.08	1.6
4	1.95	0.06	2.0	6.0	1.62	0.04	1.0	14	2.72	0.12	2.1
5	2.44	0.09	3.0	7.0	1.89	0.06	1.3	16	3.11	0.15	2.7
6	2.93	0.13	4.2	8.0	2.16	0.07	1.7	18	3.50	0.19	3.4
8	3.90	0.24	7.1	10.0	2.70	0.11	2.6	20	3.89	0.24	4.1
10	4.88	0.37	10.8	12.0	3.24	0.16	3.6	22	4.28	0.28	4.9
12	5.86	0.53	15.1	13.0	3.51	0.19	4.2	24	4.66	0.34	5.8
14	6.83	0.73	20.1	14.0	3.78	0.22	4.8	26	5.05	0.40	6.7
16	7.81	0.95	25.7	15.0	4.05	0.26	5.4	28	5.44	0.46	7.7
18	8.78	1.20	32.0	16.0	4.32	0.29	6.1	30	5.83	0.53	8.8
20	9.76	1.48	38.9	17.0	4.59	0.33	6.8	32	6.22	0.60	9.9
21	10.25	1.64	42.6	18.0	4.86	0.37	7.6	34	6.61	0.68	11.1
22	10.74	1.80	46.4	19.0	5.13	0.41	8.4	36	7.00	0.76	12.3
23	11.22	1.96	50.4	20.0	5.40	0.45	9.2	38	7.38	0.85	13.6
24	11.71	2.14	54.5	25.0	6.8	0.71	13.9	40	7.77	0.94	14.9
				30.0	8.1	1.02	19.5	45	8.75	1.19	18.6
				35.0	9.5	1.39	26.0	50	9.72	1.47	22.6
				40.0	10.8	1.82	33.3	55	10.69	1.78	27.0
				45.0	12.2	2.30	41.4	60	11.66	2.12	31.7

150	Friction Loss										
C	PVC Sch 120 Pipe										
IPS Size											
2"				3"				4"			
O.D.= 2.375 Wall= 0.25 I.D.= 1.875				O.D.= 3.500 Wall= 0.350 I.D.= 2.800				O.D.= 4.5 Wall= 0.437 I.D.= 3.626			
GPM	Velocity (ft/s)	Velocity Head (ft)	Friction Loss (ft/100')	GPM	Velocity (ft/s)	Velocity Head (ft)	Friction Loss (ft/100')	GPM	Velocity (ft/s)	Velocity Head (ft)	Friction Loss (ft/100')
10	1.16	0.02	0.3	30	1.56	0.04	0.4	70	2.18	0.07	0.5
12	1.39	0.03	0.5	35	1.82	0.05	0.5	80	2.49	0.10	0.6
14	1.63	0.04	0.6	40	2.08	0.07	0.6	90	2.80	0.12	0.8
16	1.86	0.05	0.8	45	2.35	0.09	0.8	100	3.11	0.15	0.9
18	2.09	0.07	1.0	50	2.61	0.11	0.9	110	3.42	0.18	1.1
20	2.32	0.08	1.2	55	2.87	0.13	1.1	120	3.73	0.22	1.3
22	2.56	0.10	1.4	60	3.13	0.15	1.3	130	4.04	0.25	1.5
24	2.79	0.12	1.7	65	3.39	0.18	1.5	140	4.35	0.29	1.8
26	3.02	0.14	1.9	70	3.65	0.21	1.7	150	4.66	0.34	2.0
28	3.25	0.16	2.2	75	3.91	0.24	1.9	160	4.97	0.39	2.3
30	3.49	0.19	2.5	80	4.17	0.27	2.2	170	5.28	0.43	2.5
35	4.07	0.26	3.3	85	4.43	0.31	2.5	180	5.59	0.49	2.8
40	4.65	0.34	4.3	90	4.69	0.34	2.7	190	5.90	0.54	3.1
45	5.23	0.43	5.3	100	5.21	0.42	3.3	200	6.22	0.60	3.4
50	5.81	0.53	6.5	110	5.73	0.51	4.0	200	6.22	0.60	3.4
55	6.39	0.64	7.7	120	6.25	0.61	4.7	225	6.99	0.76	4.2
60	6.97	0.76	9.1	140	7.30	0.83	6.2	250	7.77	0.94	5.2
65	7.55	0.89	10.5	160	8.34	1.08	7.9	275	8.5	1.14	6.1
70	8.14	1.03	12.1	180	9.38	1.37	9.9	300	9.3	1.35	7.2
75	8.72	1.18	13.7	200	10.42	1.69	12.0	325	10.1	1.59	8.4
80	9.30	1.35	15.5	220	11.47	2.05	14.3	350	10.9	1.84	9.6
85	9.88	1.52	17.3	240	12.51	2.44	16.8	375	11.7	2.12	10.9
90	10.46	1.70	19.2								
95	11.04	1.90	21.2								
100	11.62	2.10	23.4								
110	12.8	2.55	27.9								

150 C	Friction Loss PVC Sch 120 Pipe										
IPS Size											
5"				6"				8"			
O.D.= 5.563 Wall= 0.500 I.D.= 4.563				O.D.= 6.625 Wall= 0.562 I.D.= 5.501				O.D.= 8.625 Wall= 0.718 I.D.= 7.189			
GPM	Velocity (ft/s)	Velocity Head (ft)	Friction Loss (ft/100')	GPM	Velocity (ft/s)	Velocity Head (ft)	Friction Loss (ft/100')	GPM	Velocity (ft/s)	Velocity Head (ft)	Friction Loss (ft/100')
100	1.96	0.06	0.3	200	2.70	0.11	0.45	400	3.16	0.16	0.4
120	2.35	0.09	0.4	250	3.38	0.18	0.68	450	3.56	0.20	0.5
160	3.14	0.15	0.7	300	4.05	0.26	0.95	500	3.95	0.24	0.7
200	3.92	0.24	1.1	350	4.73	0.35	1.26	550	4.35	0.29	0.8
250	4.91	0.37	1.7	400	5.40	0.45	1.62	600	4.74	0.35	0.9
300	5.89	0.54	2.4	450	6.08	0.58	2.01	650	5.14	0.41	1.1
350	6.87	0.73	3.1	500	6.75	0.71	2.45	700	5.53	0.48	1.2
400	7.85	0.96	4.0	550	7.43	0.86	2.92	750	5.93	0.55	1.4
450	8.83	1.21	5.0	600	8.10	1.02	3.43	800	6.32	0.62	1.6
500	9.81	1.50	6.1	650	8.78	1.20	3.98	900	7.12	0.79	2.0
550	10.79	1.81	7.2	700	9.45	1.39	4.56	1000	7.91	0.97	2.4
600	11.77	2.16	8.5	750	10.13	1.60	5.18	1100	8.70	1.18	2.9
				800	10.80	1.82	5.8	1200	9.49	1.40	3.4
				850	11.48	2.05	6.5	1300	10.28	1.65	3.9
								1400	11.07	1.91	4.5
								1500	11.86	2.19	5.1