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Constant Slope

Smooth Wall PVC	GPM with 1%	Flow Velocity (ft/sec)	GPM with 2%	Flow Velocity (ft/sec)	GPM with 3%	Flow Velocity (ft/sec)	GPM with 4%	Flow Velocity (ft/sec)	GPM with 5%	Flow Velocity (ft/sec)
1/2"	0.6	0.9	0.8	1.3	1	1.7	1.2	2	1.4	2.2
3/4"	1.6	1.2	2.4	1.7	3	2.2	3.5	2.5	3.9	2.9
1"	3.5	1.4	5.1	2.1	6.4	2.6	7.4	3	8.4	3.4
1 1/4"	6.3	1.7	9.2	2.4	11.4	3	13.4	3.5	15.1	3.9
1 1/2"	10.2	1.9	14.8	2.7	18.5	3.4	21.6	3.9	24.3	4.4
2"	21.7	2.2	31.6	3.2	39	4	46	4.7	52	5.3
3"	63	2.9	92	4.2	114	5.2	133	6.1	151	6.8
4"	135	3.4	196	5	244	6.2	284	7.3	321	8.2
6"	391	4.4	568	6.4	707	8	826	9.4	932	10.6
8"	833	5.3	1211	7.7	1508	9.6	1761	11.2	1987	12.7
10"	1498	6.1	2178	8.9	2711	11.1	3167	12.9	3573	14.6
12"	2420	6.9	3518	10	4380	12.4	5116	14.5	5771	16.4
Corrugated Pipe										
3"	31	1	45	2.1	56	2.6	66	3	76	3.4
4"	72	1.9	101	2.6	123	3.1	141	3.6	161	4.1
6"	199	2.3	289	3.2	359	3.9	410	4.5	496	5.2

Constant Flow Rate (gpm)

Smooth Wall	1 ft/sec	Slope	2 ft/sec	Slope	3 ft/sec	Slope	4 ft/sec	Slope	5ft/sec	Slope
1/2"	0.6	1.1	1.2	4.1	1.8	8.8	2.4	15	3.1	22.7
3/4"	1.4	0.7	2.8	2.6	4.1	5.5	5.5	9.3	6.9	14.1
1"	2.5	0.5	4.9	1.8	7.4	3.9	9.8	6.7	12.2	10.1
1 1/4"	3.9	0.4	7.7	1.4	11.5	3	15.3	5.1	19.1	7.8
1 1/2"	5.5	0.3	11.1	1.2	16.5	2.4	22	4.2	27.5	6.3
2"	9.8	0.23	19.6	0.83	29.4	1.75	39.2	2.98	49	4.5
3"	22	0.14	44	0.51	66	1.09	88	1.86	110	2.8
4"	39	0.1	79	0.37	118	0.78	157	1.33	196	2.01
6"	89	0.064	177	0.23	261	0.49	353	0.83	441	1.25
8"	158	0.046	314	0.164	470	0.347	627	0.591	784	0.893
10"	245	0.035	490	0.126	734	0.267	980	0.456	1224	0.688
12"	351	0.028	705	0.102	1058	0.216	1410	0.368	1762	0.556
Corrugated Pipe										
3"	31	1	44	2	66	4	88	6.9	111	10
4"	39	0.8	80	1.3	119	2.8	160	4.9	196	7.5
6"	87	0.2	176	0.8	264	1.8	368	3.3	471	4.8