

Minimum pipe sizes as dictated by velocity and volume

Schedule 40 PVC				
Size (in.)	OD (in.)	ID (in.)	Max Suction (GPM)	Max Discharge (GPM)
0.50	0.84	0.622	5	9
0.75	1.05	0.824	9	16
1.00	1.315	1.049	16	26
1.25	1.66	1.38	27	46
1.50	1.9	1.61	38	63
2.00	2.375	2.067	62	104
2.50	2.875	2.469	89	149
3.00	3.5	3.068	138	230
4.00	4.5	4.026	238	396
5.00	5.563	5.047	374	623
6.00	6.625	6.065	540	900
8.00	8.625	7.981	935	1559
10.00	10.75	10.02	1474	2457
12.00	12.75	11.938	2093	3488
14.00	14	13.124	2529	4216
16.00	16	15	3304	5507

Schedule 80 PVC				
Size (in.)	OD (in.)	ID (in.)	Max Suction (GPM)	Max Discharge (GPM)
0.50	0.84	0.546	4	7
0.75	1.05	0.742	8	13
1.00	1.315	0.957	13	22
1.25	1.66	1.278	23	39
1.50	1.9	1.5	33	55
2.00	2.375	1.939	55	92
2.50	2.875	2.323	79	132
3.00	3.5	2.9	123	205
4.00	4.5	3.826	215	358
5.00	5.563	4.813	340	567
6.00	6.625	5.761	487	812
8.00	8.625	7.625	853	1423
10.00	10.75	9.564	1343	2239
12.00	12.75	11.376	1900	3168
14.00	14	12.5	2294	3824
16.00	16	14.314	3009	5015