

**Saint-Gobain Performance Plastics  
Pressure Guidelines and Flow Rates**

**Sani-Tech Rigid Pipe Flow Rate vs. Pressure Drop for Water**

1 1/2" PIPE			2" PIPE		
FLOW RATE	VELOCITY	PRESSURE DROP 100 FEET	FLOW RATE	VELOCITY	PRESSURE DROP 100 FEET
GPM	(FT/S)	PSI	GPM	(FT/S)	PSI
4.00	0.89	0.11	5.00	0.59	0.04
8.00	1.78	0.40	10.0	1.19	0.13
12.0	2.67	0.86	15.0	1.78	0.28
16.0	3.55	1.46	20.0	2.37	0.48
20.0	4.44	2.20	30.0	3.56	1.01
24.0	5.33	3.08	35.0	4.15	1.35
28.0	6.22	4.10	40.0	4.74	1.72
32.0	7.11	5.25	45.0	5.34	2.14
36.0	8.00	6.53	50.0	5.93	2.60
40.0	8.89	7.94	55.0	6.52	3.11
44.0	9.78	9.47	60.0	7.12	3.65
48.0	10.66	11.12	65.0	7.71	4.23
52.0	11.55	12.89	70.0	8.30	4.85
56.0	12.44	14.79	75.0	8.819	5.51
60.0	13.33	16.80	80.0	9.49	6.21
64.0	14.22	18.93	85.0	10.08	6.95
68.0	15.11	21.18	90.0	10.67	7.72
72.0	16.00	23.54	100	11.86	9.39
76.0	16.88	26.02	120	14.23	13.15
80.0	17.77	28.61	130	15.42	15.25

2 1/2" PIPE			3" PIPE		
FLOW RATE	VELOCITY	PRESSURE DROP 100 FEET	FLOW RATE	VELOCITY	PRESSURE DROP 100 FEET
GPM	(FT/S)	PSI	GPM	(FT/S)	PSI
10.0	0.74	0.04	10.0	0.50	0.02
20.0	1.47	0.15	20.0	1.00	0.06
30.0	2.21	0.32	30.0	1.50	0.12
40.0	2.94	0.54	40.0	2.00	0.21
50.0	3.68	0.82	50.0	2.50	0.32
60.0	4.42	1.14	60.0	3.00	0.45
70.0	5.15	1.52	70.0	3.51	0.60
80.0	5.89	1.95	80.0	4.01	0.76
90.0	6.62	2.42	90.0	4.51	0.95
100	7.36	2.94	100	5.01	1.15
110	8.10	3.51	120	6.01	1.62
120	8.83	4.12	140	7.01	2.15
130	9.57	4.78	160	8.01	2.75
140	10.30	5.48	180	9.01	3.42
150	11.04	6.23	200	10.02	4.16
160	11.78	7.01	220	11.02	4.96
170	12.51	7.85	240	12.02	5.82
180	13.25	8.72	260	13.02	6.75
190	13.98	9.64	280	14.02	7.74
200	14.72	10.60	300	15.02	8.80
210	15.45	11.60	320	16.03	9.91