

STANDARD POLYETHYLENE PIPE (SIDR)

FLOW VELOCITY AND PRESSURE LOSS FROM FRICTION PER 100' OF PIPE (LBS. / SQ. IN.)																
PIPE SIZE	1/2"			3/4"			1"			1 1/4"			1 1/2"		2"	
	FLOW VELOCITY	PRESSURE LOSS	VELOCITY	PRESSURE LOSS	VELOCITY	PRESSURE LOSS	VELOCITY	PRESSURE LOSS	VELOCITY	PRESSURE LOSS	VELOCITY	PRESSURE LOSS	VELOCITY	PRESSURE LOSS	VELOCITY	PRESSURE LOSS
GPM																
1	1.06	0.51	0.60	0.15												
2	2.11	1.79	1.20	0.48												
3	3.17	3.77	1.80	1.00												
4	4.22	6.43	2.41	1.64	1.48	0.46										
5	5.28	9.69	3.01	2.46	1.86	0.76										
6	6.33	13.50	3.61	3.45	2.23	1.06										
7	7.39	18.00	4.21	4.59	2.60	1.37										
8	8.45	23.00	4.81	5.85	2.97	1.80	1.72	0.46								
9			5.41	7.29	3.34	2.23	1.93	0.59								
10			6.02	8.85	3.71	2.76	2.15	0.70	1.58	0.33						
11			6.62	10.60	4.08	3.27	2.36	0.85	1.73	0.39						
12			7.22	12.40	4.45	3.85	2.57	1.01	1.89	0.46						
13			7.82	14.40	4.83	4.45	2.79	1.20	2.05	0.54						
14			8.42	16.50	5.20	5.10	3.00	1.37	2.21	0.65						
15			9.02	18.70	5.57	5.76	3.22	1.56	2.36	0.76						
20					7.42	9.90	4.29	2.56	3.15	1.18	1.91	0.36				
25					9.28	14.90	5.36	3.87	3.94	1.85	2.39	0.55				
30							6.44	5.46	4.73	2.56	2.87	0.75				
35							7.51	7.30	5.52	3.45	3.35	0.97				
40							8.58	9.40	6.30	4.38	3.82	1.28				
50									7.88	6.70	4.78	1.97				
60									9.46	9.40	5.74	2.76				
70											6.69	3.70				
80											7.65	4.70				
90											8.60	5.90				
100											9.56	7.10				

FLOW VELOCITY ABOVE 5' PER SECOND, AS INDICATED BY HEAVY LINES ON THE CHART, MAY

CREATE TURBULENCE OR CAUSE SURGE PRESSURES THAT COULD DAMAGE THE PIPE. USE WITH CAUTION.