

STANDARD POLYETHYLENE PIPE (SIDR)

FLOW VELOCITY AND PRESSURE LOSS FROM FRICTION PER 100' OF PIPE (LBS. / SQ. INC.)

PIPE SIZE	1/2"		3/4"		1"		1 1/4"		1 1/2"		2"	
	FLOW	VELOCITY	VELOCITY	PRESSURE	VELOCITY	PRESSURE	VELOCITY	PRESSURE	VELOCITY	PRESSURE	VELOCITY	PRESSURE
GPM		LOSS		LOSS		LOSS		LOSS		LOSS		LOSS
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.