

Polyethylene SDR Pressure Rated Tube

psi Loss Per 100 Feet of Pipe (psi/100feet)

C=150

Size Reference ID (in)	0.520		16mm 0.540		0.570		0.600		18mm 0.619		0.620	
Flow (gpm)	Velocity (fps)	psi Loss	Velocity (fps)	psi Loss	Velocity (fps)	psi Loss	Velocity (fps)	psi Loss	Velocity (fps)	psi Loss	Velocity (fps)	psi Loss
0.5	0.76	0.28	0.70	0.24	0.63	0.18	0.57	0.14	0.53	0.12	0.53	0.12
0.75	1.13	0.60	1.05	0.50	0.94	0.38	0.85	0.30	0.80	0.26	0.80	0.26
1.0	1.51	1.03	1.40	0.85	1.26	0.66	1.13	0.51	1.07	0.44	1.06	0.44
1.5	2.27	2.17	2.10	1.81	1.89	1.39	1.70	1.08	1.60	0.93	1.59	0.92
2.0	3.02	3.70	2.80	3.08	2.51	2.37	2.27	1.84	2.13	1.58	2.13	1.57
2.5	3.78	5.60	3.50	4.66	3.14	3.58	2.84	2.79	2.67	2.40	2.66	2.38
3.0	4.53	7.84	4.20	6.53	3.77	5.02	3.40	3.91	3.20	3.36	3.19	3.33
3.5	5.29	10.44	4.90	8.68	4.40	6.67	3.97	5.20	3.73	4.47	3.72	4.43
4.0	6.04	13.37	5.60	11.12	5.03	8.55	4.54	6.66	4.26	5.72	4.25	5.67
4.5	6.80	16.62	6.30	13.83	5.66	10.63	5.11	8.28	4.80	7.11	4.78	7.06
5.0	7.55	20.20	7.00	16.81	6.29	12.92	5.67	10.06	5.33	8.65	5.31	8.58
6.0	9.06	28.32	8.41	23.57	7.54	18.11	6.81	14.11	6.40	12.12	6.38	12.02
7.0	10.58	37.68	9.81	31.35	8.80	24.09	7.94	18.77	7.46	16.12	7.44	16.00
8.0	12.09	48.25	11.21	40.15	10.06	30.85	9.08	24.03	8.53	20.65	8.50	20.49
9.0	13.60	60.01	12.61	49.93	11.32	38.37	10.21	29.89	9.60	25.68	9.56	25.48
10.0	15.11	72.94	14.01	60.69	12.57	46.64	11.35	36.33	10.66	31.21	10.63	30.97
11.0	16.62	87.02	15.41	72.41	13.83	55.65	12.48	43.35	11.73	37.24	11.69	36.95
12.0	18.13	102.23	16.81	85.07	15.09	65.38	13.62	50.93	12.79	43.75	12.75	43.41
13.0	19.64	118.57	18.21	98.66	16.35	75.82	14.75	59.06	13.86	50.74	13.82	50.35
14.0			19.61	113.18	17.60	86.98	15.89	67.75	14.93	58.21	14.88	57.75
15.0					18.86	98.83	17.02	76.99	15.99	66.14	15.94	65.62
16.0							18.16	86.76	17.06	74.54	17.00	73.96
17.0							19.29	97.07	18.12	83.40	18.07	82.74
18.0									19.19	92.71	19.13	91.98
19.0												
20.0												
21.0												
22.0												
23.0												
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50.0												
55.0												
60.0												

Note: Shaded area of chart indicates velocities over 5' per second. Use with caution.

Polyethylene SDR Pressure Rated Tube (Continued)

Size Reference ID (in)	20mm 0.690		0.720		0.820		0.830		1" 1.060	
Flow (gpm)	Velocity (fps)	psi Loss	Velocity (fps)	psi Loss	Velocity (fps)	psi Loss	Velocity (fps)	psi Loss	Velocity (fps)	psi Loss
0.5	0.43	0.07	0.39	0.06	0.30	0.03	0.30	0.03	0.18	0.01
0.75	0.64	0.15	0.59	0.12	0.46	0.07	0.44	0.06	0.27	0.02
1.0	0.86	0.26	0.79	0.21	0.61	0.11	0.59	0.11	0.36	0.03
1.5	1.29	0.55	1.18	0.45	0.91	0.24	0.89	0.22	0.55	0.07
2.0	1.72	0.93	1.58	0.76	1.22	0.40	1.19	0.38	0.73	0.12
2.5	2.15	1.41	1.97	1.15	1.52	0.61	1.48	0.57	0.91	0.17
3.0	2.57	1.98	2.36	1.61	1.82	0.85	1.78	0.80	1.09	0.24
3.5	3.00	2.63	2.76	2.14	2.13	1.14	2.08	1.07	1.27	0.33
4.0	3.43	3.37	3.15	2.74	2.43	1.45	2.37	1.37	1.45	0.42
4.5	3.86	4.19	3.55	3.41	2.73	1.81	2.67	1.71	1.64	0.52
5.0	4.29	5.10	3.94	4.14	3.04	2.20	2.96	2.07	1.82	0.63
6.0	5.15	7.14	4.73	5.81	3.65	3.08	3.56	2.90	2.18	0.88
7.0	6.01	9.50	5.52	7.72	4.25	4.10	4.15	3.86	2.54	1.17
8.0	6.86	12.17	6.30	9.89	4.86	5.25	4.74	4.95	2.91	1.50
9.0	7.72	15.13	7.09	12.30	5.47	6.53	5.34	6.16	3.27	1.87
10.0	8.58	18.39	7.88	14.95	6.08	7.94	5.93	7.48	3.64	2.27
11.0	9.44	21.95	8.67	17.84	6.68	9.47	6.52	8.93	4.00	2.71
12.0	10.30	25.78	9.46	20.96	7.29	11.12	7.12	10.49	4.36	3.19
13.0	11.15	29.90	10.24	24.31	7.90	12.90	7.71	12.16	4.73	3.70
14.0	12.01	34.30	11.03	27.88	8.51	14.80	8.30	13.95	5.09	4.24
15.0	12.87	38.98	11.82	31.68	9.11	16.82	8.89	15.85	5.45	4.82
16.0	13.73	43.93	12.61	35.70	9.72	18.95	9.49	17.87	5.82	5.43
17.0	14.59	49.15	13.40	39.95	10.33	21.20	10.08	19.99	6.18	6.07
18.0	15.44	54.63	14.18	44.41	10.94	23.57	10.67	22.22	6.54	6.75
19.0	16.30	60.39	14.97	49.08	11.54	26.05	11.27	24.56	6.91	7.46
20.0	17.16	66.41	15.76	53.97	12.15	28.65	11.86	27.01	7.27	8.21
21.0	18.02	72.69	16.55	59.08	12.76	31.36	12.45	29.56	7.63	8.98
22.0	18.88	79.22	17.34	64.39	13.37	34.18	13.05	32.22	8.00	9.79
23.0	19.73	86.02	18.12	69.92	13.97	37.11	13.64	34.99	8.36	10.63
24.0			18.91	75.65	14.58	40.16	14.23	37.86	8.73	11.50
25.0			19.70	81.60	15.19	43.31	14.82	40.83	9.09	12.41
26.0					15.80	46.57	15.42	43.90	9.45	13.34
27.0					16.40	49.95	16.01	47.08	9.82	14.31
28.0					17.01	53.43	16.60	50.36	10.18	15.30
29.0					17.62	57.01	17.20	53.75	10.54	16.33
30.0					18.23	60.71	17.79	57.23	10.91	17.39
31.0					18.83	64.51	18.38	60.81	11.27	18.48
32.0					19.44	68.42	18.98	64.49	11.63	19.60
33.0							19.57	68.28	12.00	20.75
34.0									12.36	21.93
35.0									12.72	23.13
36.0									13.09	24.37
38.0									13.82	26.94
40.0									14.54	29.63
42.0									15.27	32.43
44.0									16.00	35.34
46.0									16.72	38.38
48.0									17.45	41.52
50.0									18.18	44.79
55.0									20.00	53.43
60.0									21.81	62.78

Note: Shaded area of chart indicates velocities over 5' per second. Use with caution.