

POLY PIPE

Pressure Drop Of Water Per 100 Ft. Of Pipe

May, 2016

SIZE	1/2"		3/4"		1"		1 1/4"		1 1/2"		2"		2 1/2"		3"		4"		6"		8"		SIZE
GALLONS PER MINUTE	VELOCITY FEET PER SECOND	PRESSURE DROP POUNDS PER SQ. IN.	VELOCITY FEET PER SECOND	PRESSURE DROP POUNDS PER SQ. IN.	VELOCITY FEET PER SECOND	PRESSURE DROP POUNDS PER SQ. IN.	VELOCITY FEET PER SECOND	PRESSURE DROP POUNDS PER SQ. IN.	VELOCITY FEET PER SECOND	PRESSURE DROP POUNDS PER SQ. IN.	VELOCITY FEET PER SECOND	PRESSURE DROP POUNDS PER SQ. IN.	VELOCITY FEET PER SECOND	PRESSURE DROP POUNDS PER SQ. IN.	VELOCITY FEET PER SECOND	PRESSURE DROP POUNDS PER SQ. IN.	VELOCITY FEET PER SECOND	PRESSURE DROP POUNDS PER SQ. IN.	VELOCITY FEET PER SECOND	PRESSURE DROP POUNDS PER SQ. IN.	VELOCITY FEET PER SECOND	PRESSURE DROP POUNDS PER SQ. IN.	GALLONS PER MINUTE
1	1.05	.43	.60	.11	.37	.03																	1
2	2.11	1.55	1.20	.39	.74	.12	.43	.03															2
3	3.17	3.27	1.80	.83	1.11	.26	.64	.07	.47	.03													3
4	4.22	5.57	2.41	1.42	1.48	.44	.86	.11	.63	.05													4
5	5.28	8.42	3.01	2.15	1.86	.66	1.07	.17	.79	.08													5
6	6.33	11.81	3.61	3.01	2.23	.93	1.29	.24	.95	.11	.57	.03											6
8	8.44	20.10	4.81	5.12	2.97	1.58	1.72	.42	1.26	.20	.76	.06	.54	.02									8
10	10.55	30.37	6.02	7.73	3.71	2.39	2.15	.63	1.58	.30	.96	.09	.67	.04									10
15			9.02	16.37	5.57	5.06	3.22	1.33	2.36	.63	1.43	.19	1.01	.08	.65	.03							15
20					7.42	8.61	4.29	2.27	3.15	1.07	1.91	.32	1.34	.13	.87	.05							20
25					9.28	13.01	5.36	3.42	3.94	1.63	2.39	.48	1.67	.20	1.08	.07							25
30					11.14	18.22	6.43	4.80	4.73	2.27	2.87	.67	2.01	.28	1.30	.10							30
35							7.51	6.38	5.52	3.01	3.35	.89	2.35	.38	1.52	.13	.88	.03					35
40							8.58	8.17	6.30	3.86	3.82	1.14	2.64	.48	1.73	.17	1.01	.04					40
45							9.65	10.16	7.09	4.80	4.30	1.42	3.01	.60	1.95	.21	1.13	.05					45
50							10.72	12.35	7.88	5.83	4.78	1.73	3.35	.73	2.17	.25	1.26	.07					50
60									9.46	8.17	5.74	2.42	4.02	1.02	2.60	.35	1.51	.09					60
70									11.03	10.87	6.69	3.22	4.69	1.36	3.04	.47	1.76	.12					70
80											7.65	4.13	5.36	1.74	3.47	.60	2.02	.16					80
90											8.60	5.13	6.03	2.16	3.91	.75	2.27	.20					90
100											9.56	6.23	6.70	2.63	4.34	.91	2.52	.24	1.11	.03			100
125											11.95	9.42	8.38	3.97	5.42	1.38	3.15	.37	1.39	.05			125
150													10.05	5.56	6.51	1.93	3.78	.51	1.67	.07			150
175															7.59	2.57	4.41	.68	1.94	.09			175
200															8.68	3.40	5.04	.90	2.22	.12			200
225															9.76	4.09	5.67	1.09	2.50	.15			225
250															10.85	4.97	6.30	1.32	2.78	.18			250
275																	6.93	1.58	3.05	.21			275
300																	7.56	1.85	3.33	.25	1.96	.07	300
325																	8.19	2.15	3.61	.29	2.12	.08	325
350																	8.82	2.47	3.89	.34	2.29	.09	350
375	10"		12"		16"												9.45	2.80	4.17	.38	2.46	.11	375
400	VELOCITY FEET PER SECOND	PRESSURE DROP POUNDS PER SQ. IN.	VELOCITY FEET PER SECOND	PRESSURE DROP POUNDS PER SQ. IN.	VELOCITY FEET PER SECOND	PRESSURE DROP POUNDS PER SQ. IN.											10.08	3.16	4.44	.43	2.62	.12	400
425																			4.72	.48	2.77	.13	425
450	1.85	.05																	5.00	.53	2.95	.15	450
475																			5.28	.59	3.09	.16	475
500	2.05	.06																	5.55	.65	3.27	.18	500
550	2.26	.07																	6.11	.78	3.60	.21	550
600	2.46	.08																	6.67	.91	3.93	.25	600
650	2.67	.10																	7.22	1.06	4.26	.29	650
700	2.87	.11																	7.78	1.21	4.58	.33	700
750	3.08	.12	2.17	.05															8.33	1.38	4.91	.38	750
800	3.29	.14	2.31	.06															8.89	1.58	5.24	.43	800
900	3.70	.17	2.60	.07																			900
1000	4.11	.21	2.89	.09																5.89	.53		1000
1100	4.52	.25	3.18	.11																6.55	.65		1100
1200	4.93	.30	3.47	.13																			1200
1300	5.34	.34	3.76	.15																			1300
1400	5.75	.39	4.05	.17																			1400
1500	6.16	.45	4.34	.19	2.74	.06																	1500
1750	7.19	.60	5.35	.25																			1750
2000	8.21	.76	5.78	.32	3.65	.11																	2000
2250			6.51	.40																			2250
2500			7.23	.49	4.57	.16																	2500
3000					5.48	.23																	3000
3500					6.40	.30																	3500

Note: This chart is also valid for:

CRESLINE HD Form No. 161-HD

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