



699 Welham Road  
 Barrie, Ontario L4N 6C5  
 Tel: 1-888-455-9262  
 Fax: 1-866-455-2271  
[www.trinuspipes.com](http://www.trinuspipes.com)



# PRESSURE LOSS CHARTS

## Pressure Loss

Shown below are the pressure losses in PSI per 100 feet of pipe that can be expected from Trinus Polyethylene pipe depending on the flow and the diameter of pipe utilized.

### PRESSURE LOSS - 100 FT

Flow Rate (G.P.M)	TRINUS 75 PSI & 100 PSI PIPE						TRINUS 160 PSI SERVICE LINE TUBING				
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	3/4"	1"	1-1/4"	1-1/2"	2"
5	11.8	3.0	0.9	0.2	0.1	---	8.1	2.4	0.9	0.4	0.1
10	42.4	10.8	3.4	0.9	0.4	0.1	29.3	8.6	3.2	1.4	0.4
15	---	22.9	7.1	1.9	0.9	0.3	62.2	18.3	6.9	3.1	0.8
20	---	39.0	12.1	3.2	1.5	0.4	---	31.1	11.7	5.2	1.4
25	---	58.9	18.3	4.8	2.3	0.7	---	47.1	17.7	7.9	2.1
30	---	---	25.6	6.8	3.2	1.0	---	66.0	24.8	11.1	3.0
40	---	---	43.7	11.5	5.5	1.6	---	---	42.3	18.9	5.1
50	---	---	66.0	17.4	8.3	2.5	---	---	63.9	28.6	7.7
60	---	---	---	24.4	11.6	3.4	---	---	89.6	40.0	10.8

### PRESSURE LOSS - 100 FT

Flow Rate (G.P.M)	TRINUS 100 PSI NON-NSF						TRINUS 100 PSI NSF				
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	3/4"	1"	1-1/4"	1-1/2"	2"
5	9.6	2.44	0.76	0.2	0.09	0.03	2.44	0.76	0.2	0.09	0.03
10	34.67	8.82	2.73	0.72	0.34	0.10	8.82	2.73	0.72	0.34	0.10
20	---	31.86	9.84	2.59	1.22	0.36	31.86	9.84	2.59	1.22	0.36
30	---	67.50	20.85	5.49	2.59	0.77	67.50	20.85	5.49	2.59	0.77
40	---	---	35.53	9.36	4.42	1.31	---	35.53	9.36	4.42	1.31
50	---	---	53.7	14.14	6.68	1.98	---	53.7	14.14	6.68	1.98
60	---	---	---	19.82	9.36	2.78	---	---	19.82	9.36	2.78

### Short Radius Bends

Any radius bend less than those shown should not be used. A elbow should be used if a shorter radius bend is required.

PIPE SIZE	MIN. RADIUS OF BEND
3/4"	19"
1"	23"
1-1/4"	30"
1-1/2"	34"
2"	44"

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