

FRICION LOSS METRIC PVC PRESSURE

FRICION LOSS: PVC Pressure Pipe PN12 Series 1 Based on AS 1477-2006																	
PVC PN12		20mm Nom. Bore 23.7mm ID		25mm Nom. Bore 29.8mm ID		32mm Nom. Bore 37.5mm ID		40mm Nom. Bore 42.8mm ID		50mm Nom. Bore 53.7mm ID		65mm Nom. Bore 67mm ID		80mm Nom. Bore 79mm ID		100mm Nom. Bore 101.7mm ID	
FLOW RATE L/SEC	FLOW RATE L/MIN	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m
0.06	3.6	0.14	0.12														
0.08	4.8	0.18	0.29	0.12	0.10												
0.10	6	0.23	0.43	0.14	0.14												
0.20	12	0.46	1.41	0.29	0.47	0.18	0.16	0.14	0.09								
0.30	18	0.68	2.85	0.43	0.96	0.27	0.32	0.21	0.17	0.13	0.06						
0.40	24	0.91	4.72	0.58	1.58	0.36	0.53	0.28	0.28	0.18	0.10	0.11	0.03				
0.50	30	1.14	6.99	0.72	2.34	0.45	0.78	0.35	0.42	0.22	0.14	0.14	0.05	0.10	0.02		
0.60	36	1.37	9.64	0.86	3.23	0.54	1.08	0.42	0.57	0.27	0.20	0.17	0.07	0.12	0.03		
0.70	42	1.59	12.67	1.01	4.23	0.64	1.41	0.49	0.75	0.31	0.26	0.20	0.09	0.14	0.04		
0.80	48	1.82	16.06	1.15	5.36	0.73	1.79	0.56	0.95	0.35	0.32	0.23	0.11	0.16	0.05		
0.90	54	2.05	19.80	1.29	6.60	0.82	2.20	0.63	1.17	0.40	0.40	0.26	0.14	0.18	0.06	0.11	0.02
1.00	60	2.28	23.89	1.44	7.96	0.91	2.65	0.70	1.41	0.44	0.48	0.28	0.17	0.20	0.08	0.12	0.02
1.20	72	2.73	33.08	1.73	11.01	1.09	3.66	0.84	1.95	0.53	0.66	0.34	0.23	0.24	0.1	0.15	0.03
1.40	84	3.19	43.61	2.01	14.49	1.27	4.81	0.98	2.56	0.62	0.86	0.40	0.30	0.29	0.14	0.17	0.04
1.60	96	3.64	55.42	2.30	18.4	1.45	6.10	1.11	3.24	0.71	1.09	0.45	0.38	0.33	0.17	0.20	0.05
1.80	108	4.10	68.50	2.59	22.72	1.63	7.53	1.25	4.00	0.80	1.35	0.51	0.47	0.37	0.21	0.22	0.06
2.00	120	4.55	82.82	2.88	27.44	1.82	9.09	1.39	4.82	0.88	1.63	0.57	0.56	0.41	0.26	0.25	0.08
2.50	150	5.69	123.97	3.60	40.99	2.27	13.55	1.74	7.18	1.11	2.42	0.71	0.84	0.51	0.38	0.31	0.11
3.00	180	6.83	172.56	4.32	56.95	2.72	18.8	2.09	9.95	1.33	3.35	0.85	1.16	0.61	0.53	0.37	0.16
3.50	210			5.04	75.27	3.18	24.81	2.44	13.13	1.55	4.41	0.99	1.53	0.71	0.69	0.43	0.21
4.00	240			5.75	95.88	3.63	31.57	2.79	16.69	1.77	5.60	1.14	1.94	0.82	0.88	0.49	0.26
4.50	270			6.47	118.76	4.09	39.06	3.14	20.64	1.99	6.92	1.28	2.39	0.92	1.08	0.55	0.32
5.00	300					4.54	47.26	3.48	24.96	2.21	8.37	1.42	2.89	1.02	1.31	0.62	0.39
5.50	330					4.99	56.18	3.83	29.66	2.43	9.93	1.56	3.43	1.12	1.55	0.68	0.46
6.00	360					5.45	65.79	4.18	34.71	2.65	11.62	1.70	4.01	1.22	1.81	0.74	0.54
6.50	390					5.90	76.10	4.53	40.14	2.88	13.42	1.85	4.63	1.33	2.09	0.80	0.62
7.00	420					6.35	87.09	4.88	45.91	3.10	15.35	1.99	5.29	1.43	2.39	0.86	0.71
7.50	450					6.81	98.75	5.23	52.04	3.32	17.39	2.13	5.99	1.53	2.7	0.92	0.80
8.00	480							5.57	58.52	3.54	19.54	2.27	6.72	1.63	3.03	0.98	0.90
8.50	510							5.92	65.35	3.76	21.81	2.41	7.50	1.73	3.38	1.05	1.01
9.00	540							6.27	75.52	3.98	24.19	2.56	8.32	1.84	3.75	1.11	1.11
9.50	570							6.62	80.04	4.20	26.68	2.70	9.17	1.94	4.13	1.17	1.23
10.00	600							6.97	87.89	4.42	29.29	2.84	10.06	2.04	4.54	1.23	1.35
11.00	660									4.87	34.83	3.12	11.96	2.24	5.39	1.35	1.60
12.00	720									5.31	40.81	3.41	14.00	2.45	6.30	1.48	1.87
13.00	780									5.75	47.22	3.69	16.19	2.65	7.29	1.60	2.16
14.00	840									6.19	54.05	3.98	18.52	2.86	8.33	1.72	2.47
15.00	900									6.64	61.31	4.26	20.09	3.06	9.44	1.85	2.80
16.00	960											4.54	26.86	3.26	12.03	1.97	3.53
18.00	1080											5.11	33.14	3.67	14.83	2.22	4.35
20.00	1200											5.68	40.01	4.08	17.90	2.46	5.24
22.00	1320											6.25	47.46	4.49	21.22	2.71	6.21
24.00	1440											6.82	55.48	4.90	24.79	2.95	7.25
26.00	1560													5.30	28.61	3.20	8.36
28.00	1680													5.71	29.42	3.45	8.67
30.00	1800													6.12	33.38	3.69	9.83
35.00	2100															4.31	13.02
40.00	2400															4.92	16.62
45.00	2700															5.54	20.61
50.00	3000															6.16	25.01
55.00	3300															6.77	29.78

DISCLAIMER: The information and data provided is estimated and is a guide only, and it is the sole and entire responsibility of the user to ensure that it is accurate and suitable for their application.