

APPROXIMATE PRESSURES AND FLOWS SUGGESTED FOR POLY PIGGING

NOMINAL PIPE I.D.	PRESSURE		LIQUID FLOW		(SCFM)	GASEOUS FLOW		3 M/M
	PSIG	BARS	GPM*	LPM		5"	10"	
					30 PSI	45 PSI		
2"	100 - 200	7.0 - 14.0	30 - 50	113 - 189		21 - 56		.59 - 1.5
3"	10 - 150	7.0 - 10.5	70 - 100	264 - 378		46 - 124		1.3 - 3.51
4"	75 - 125	5.2 - 8.8	120 - 200	454 - 757		80 - 215		2.2 - 6.08
6"	50 - 100	3.5 - 7.0	250 - 450	946 - 1703		182 - 340		5.1 - 9.62
8"	30 - 80	2.1 - 5.6	450 - 800	1703 - 3028		316 - 849		8.9 - 24.0
10"	20 - 60	1.4 - 4.2	750 - 1250	2838 - 4731		499 - 1341		14.1 - 38.0
12"	10 - 50	0.7 - 3.5	1000 - 1800	3785 - 6813		715 - 1921		20.2 - 54.4
14"	10 - 40	0.7 - 2.8	1400 - 2500	5299 - 9463		873 - 2345		24.7 - 66.4
16"	5 - 35	0.35 - 2.4	1800 - 3000	6813 - 11,355		1158 - 3108		32.8 - 88.0
18"	5 - 30	0.35 - 2.1	2000 - 4000	7570 - 15,140		1477 - 3965		41.8 - 112.28
20"	5 - 25	0.35 - 1.7	2800 - 5000	10,598 - 18,925		1842 - 4944		52.1 - 140.0
22"	5 - 25	0.35 - 1.7	3000 - 6000	11,355 - 22,710		2243 - 6022		63.5 - 170.54
24"	5 - 20	0.35 - 1.4	4000 - 7000	15,140 - 26,495		2690 - 7221		76.1 - 204.5
26"	5 - 20	0.35 - 1.4	5000 - 8000	18,925 - 30,280		3173 - 8519		89.8 - 241.25
28"	5 - 20	0.35 - 1.4	6000 - 9000	22,710 - 34,065		3693 - 9814		104.6 - 277.93
30"	5 - 10	0.35 - 0.7	7000 - 11,000	29,710 - 41,635		4259 - 11,432		120.6 - 323.7
36"	5 - 10	0.35 - 0.7	10,000 - 16,000	37,850 - 60,560		4860 - 12,448		137.6 - 352.5
40"	5 - 10	0.35 - 0.7	12,000 - 20,000	45,420 - 75,700		5140 - 15,422		145.6 - 436.8
42"	5 - 10	0.35 - 0.7	13,000 - 22,000	49,205 - 83,270		5679 - 17,038		160.8 - 482.5
48"	5 - 10	0.35 - 0.7	17,000 - 27,500	64,345 - 104,087		6242 - 22,362		176.7 - 633.3
54"	5 - 10	0.35 - 0.7	22,000 - 38,000	83,270 - 143,830		9,733 - 29,192		275.6 - 826.7
60"	5 - 10	0.35 - 0.7	26,000 - 42,000	98,410 - 158,970		11,720 - 35,159		331.9 - 995.7
72"	5 - 10	0.35 - 0.7	37,000 - 65,000	140,045 - 246,025		17,304 - 51,903		490.0 - 1469.8

G.P.M. = Based on 3 and 5 FPS (feet per second) velocity

S.C.F.M. - Based on 5 FPS @ 30 PSI and 10 FPS @ 45 PSI

PSIG = Differential Pressure

(Formula for SCFM Calculation ft³ / ft x PSI in atmospheres x FPM cubic feet of volume per linear foot of pipe x atmospheres (14.7 PSI x feet per minute

NOTE: Volumes and pressures are recommendations only, NOT TO BE CONSIDERED AS ABSOLUTE REQUIREMENTS.

Requirements will vary according to type of pipe, fluid, gas, materials in pipe, viscosity, temperature, etc.