

APPROXIMATE PRESSURES and FLOWS SUGGESTED FOR PIGGING

DIAMETER	GALLON PER FOOT	CUBIC FEET PER FOOT	LAUNCH	LIQUID FLOW GPM		GASEOUS FLOW SCFM	
			PRESSURE (PSIG)	3 FPS	5 FPS	5 FPS @ 30 PSI	10 FPS @ 45 PSI
2"	0.16	0.02	100-200	30	50	12	36
3"	0.37	0.05	100-150	70	100	30	92
4"	0.65	0.09	75-125	120	200	52	158
6"	1.47	0.20	50-100	250	450	120	360
8"	2.61	0.35	30-80	450	800	214	642
10"	4.08	0.55	20-60	750	1,250	336	1,010
12"	5.88	0.79	10-50	1,000	1,800	483	1,450
14"	8.00	1.07	10-40	1,400	2,500	655	1,965
16"	10.40	1.37	5-35	1,800	3,000	838	2,515
18"	13.20	1.76	5-30	2,000	4,000	1,077	3,232
20"	16.30	2.18	5-25	2,800	5,000	1,334	4,002
22"	19.80	2.64	5-25	3,000	6,000	1,616	4,847
24"	23.50	3.14	5-20	4,000	7,000	1,922	5,765
26"	27.60	3.69	5-20	5,000	8,000	2,258	6,775
28"	32.00	4.27	5-20	6,000	9,000	2,613	7,840
30"	36.70	4.90	5-10	7,000	11,000	3,000	8,996
36"	52.90	7.02	5-10	10,000	16,000	4,296	12,888
40"	65.27	8.73	5-10	12,000	20,000	5,343	16,028
42"	71.88	9.61	5-10	13,000	22,000	5,881	17,644
48"	94.02	12.57	5-10	17,000	27,500	7,693	23,079
54"	118.93	15.90	5-10	22,000	38,000	9,730	29,192
60"	146.87	19.63	5-10	26,000	42,000	12,014	36,041
72"	211.46	28.27	5-10	37,000	65,000	17,304	51,903

SCFM = Based on 5 FPS @ 30 PSI and 10 FPS @ 45 PSI

GPM = Based on 3 and 5 FPS (Feet Per Second) Velocity

PSIG = Differential Pressure

Note: Volumes and Pressures are Recommendations ONLY and not to be considered as absolute requirements. Requirements will vary according to type of pipe, fluid, gas, materials in pipe, smoothness of pipe, viscosity, temperature, etc.

