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Pressure & Volume Chart

Nominal Pipe Size (Inches)	Internal Diameter (sch. std.) (Inches)	Approximate Pigging Pressure (psig)	Gallons Per Minute (gpm)		Standard Cubic Feet Per Minute (scfm)									
			3 Feet Per Second	5 Feet Per Second	***** 3 Feet Per Second *****					***** 5 Feet Per Second *****				
					10 psig	15 psig	45 psig	75 psig	100 psig	10 psig	15 psig	45 psig	75 psig	100 psig
1	1.049	100 - 225	8	13	1	1	3	6	7	1	2	6	9	12
2	2.067	100 - 200	31	52	3	4	13	21	29	5	7	21	36	48
2.5	2.469	100 - 175	45	75	4	6	18	31	41	7	10	31	51	68
3	3.068	100 - 150	69	115	6	9	28	47	63	10	16	47	79	105
4	4.026	75 - 125	119	198	11	16	49	81	108	18	27	81	135	181
5	5.047	50 - 125	187	312	17	26	77	128	170	28	43	128	213	284
6	6.065	50 - 100	270	450	25	37	111	184	246	41	61	184	307	410
7	7.023	40 - 90	362	604	33	49	148	247	330	55	82	247	412	549
8	7.981	30 - 80	468	780	43	64	192	319	426	71	106	319	532	709
9	8.941	25 - 75	587	978	53	80	240	401	534	89	134	401	668	890
10	10.020	20 - 60	737	1229	67	101	302	503	671	112	168	503	839	1118
11	11.000	15 - 50	889	1481	81	121	364	606	809	135	202	606	1011	1348
12	12.000	10 - 50	1058	1763	96	144	433	722	962	160	241	722	1203	1604
14	13.250	10 - 40	1289	2149	117	176	528	880	1173	196	293	880	1467	1956
16	15.250	5 - 35	1708	2847	155	233	699	1166	1554	259	389	1166	1943	2590
18	17.250	5 - 30	2185	3642	199	298	895	1491	1989	331	497	1491	2486	3314
20	19.250	5 - 25	2721	4536	248	371	1114	1857	2477	413	619	1857	3096	4128
22	21.250	5 - 25	3316	5527	302	453	1358	2263	3018	503	754	2263	3772	5030
24	23.250	5 - 20	3970	6616	361	542	1626	2709	3613	602	903	2709	4516	6021
26	25.250	5 - 20	4682	7804	426	639	1917	3196	4261	710	1065	3196	5326	7101
28	27.250	5 - 20	5453	9089	496	744	2233	3722	4963	827	1241	3722	6203	8271
30	29.250	5 - 10	6283	10472	572	858	2573	4288	5718	953	1429	4288	7147	9530
32	31.250	5 - 10	7172	11953	653	979	2937	4895	6526	1088	1632	4895	8158	10877
34	33.250	5 - 10	8119	13532	739	1108	3325	5541	7389	1231	1847	5541	9236	12314
36	35.250	5 - 10	9125	15209	830	1246	3737	6228	8304	1384	2076	6228	10380	13840
38	37.250	5 - 10	10190	16984	927	1391	4173	6955	9273	1546	2318	6955	11592	15455
40	39.250	5 - 10	11314	18856	1030	1544	4633	7722	10296	1716	2574	7722	12870	17160
42	41.250	5 - 10	12496	20827	1137	1706	5117	8529	11372	1895	2843	8529	14215	18953
48	47.250	5 - 10	16396	27326	1492	2238	6714	11190	14920	2487	3730	11190	18651	24867

Notes: Gallons per Minute (gpm) and Standard Cubic Feet per Minute (scfm) are based on optimum pigging speeds of 3 to 5 feet per second. The volumes and pressures shown above are recommendations and should be used as guidelines only. Factors including pipe material, pig type, product viscosity, temperature, and buildup will vary the pressure and volume requirements. Please contact us for calculating your specific application.