

P-Series Piston Vibrators Performance Data

Vibrator Model	Air Pressure									
	Start Up	20 psi (1.4 bar)			40 psi (2.8 bar)			60 psi (4.1 bar)		
		Speed	Flow	Force	Speed	Flow	Force	Speed	Flow	Force
	psi	cpm	cfm	lb	cpm	cfm	lb	cpm	cfm	lb
	bar		Lpm	kN		Lpm	kN		Lpm	kN
Impact										
P1 IM	15-20	4,000	1.5	250	6,100	2.0	900	8,100	3.0	1240
	1.03-1.38		42	1.1		57	4.0		85	5.5
P1¼ IM	15-20	3,400	2.0	375	4,600	3.5	1440	5,750	5.5	2250
	1.03-1.38		57	1.7		99	6.4		156	10.0
P1-5/8 IM	15-20	3,520	2.2	1450	4,500	5.0	1770	5,600	8.0	2270
	1.03-1.38		62	6.4		142	7.9		227	10.1
P2 IM	15-20	2,750	2.2	1890	4,000	5.5	2370	5,350	9.0	2870
	1.03-1.38		62	8.4		156	10.5		255	12.8
P3 IM	15-20	2,250	7.5	4000	3,000	16.5	4600	3,750	25.5	5600
	1.03-1.38		212	17.8		467	20.5		722	24.9
P4 IM	15-20	1,625	10.0	6200	2,350	20.5	7600	3,100	30.5	9700
	1.03-1.38		283	27.6		580	33.8		864	43.1
Air-Cushioned										
P1 AC	15-20	2,600	1.5	16	3,250	2.0	32	3,950	2.2	48
	1.03-1.38		42	0.1		57	0.1		62	0.2
P1¼ AC	15-20	2,350	2.0	24	2,900	3.5	48	3,400	6.0	72
	1.03-1.38		57	0.1		99	0.2		170	0.3
P1-5/8 AC	15-20	1,650	2.0	41	2,000	5.0	82	2,400	7.5	123
	1.03-1.38		57	0.2		142	0.4		212	0.5
P2 AC	15-20	1,600	2.2	63	1,950	5.0	126	2,250	8.5	189
	1.03-1.38		62	0.3		142	0.6		241	0.8
P3 AC	15-20	1,400	6.5	141	1,700	13.5	282	1,950	20.5	423
	1.03-1.38		184	0.6		382	1.3		580	1.9
P4 AC	15-20	1,100	9.5	251	1,300	20.0	502	1,500	30.0	753
	1.03-1.38		269	1.1		566	2.2		850	3.3
Railcar										
PR-1300	15-20	1,400	6.5	141	1,700	13.5	282	1,950	20.5	423
	1.03-1.38		184	0.6		382	1.3		580	1.9
Matchplate						Air Consumption at 60 psi (4.14 bar)				
MP ¾ IM	12,400 VPM @ 70 psi (4.83 bar)					3.0 cfm - 85 Lpm				
MP1 IM	10300 VPM @ 70 psi (4.83 bar)					3.5 cfm - 99 Lpm				
MP1¼ IM	8,150 VPM @ 70 psi (4.83 bar)					3.8 cfm - 108 Lpm				
MP2 IM	5,000 VPM @ 70 psi (4.83 bar)					8.3 cfm - 235 Lpm				
All Force data exceeding 4800 LB is estimated.										