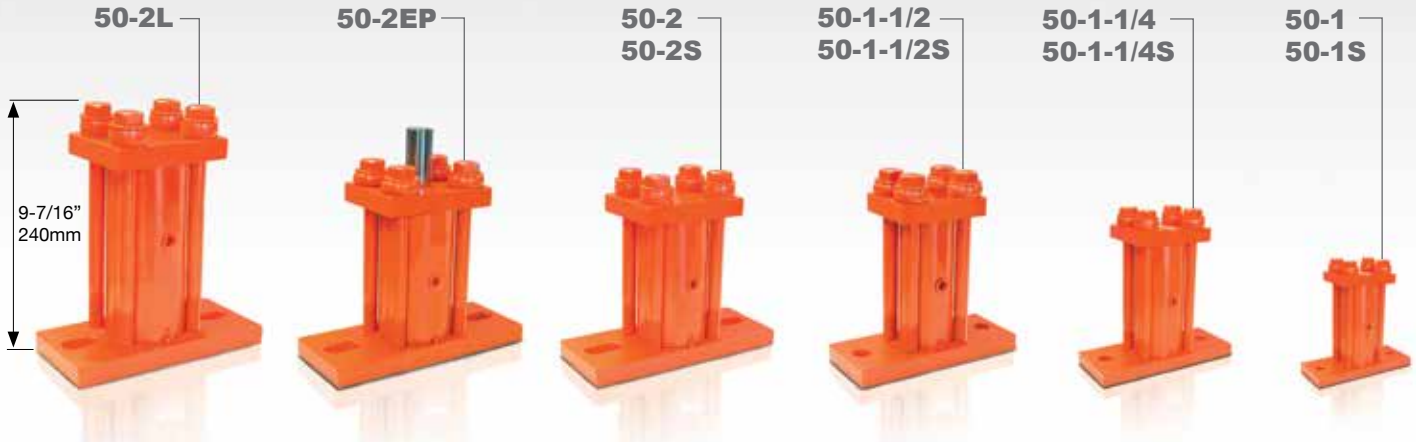


ALL STEEL MODEL 50 PNEUMATIC FLANGE MOUNTED PISTON



- Exhaust Manifolds
- Long Stroke

MODEL 50

- All Steel for Extended Life
- Bolt Isolation Design for Longer Life
- Dual Action - Impacting on Both Up and Down Stroke for Added Force

MODEL 55, PISTON AIR

- One Piece Housing Design
- Economical
- Impacting on Down Stroke

Model 50 and 55 standard impact pistons are the most popular piston series because of their high impact linear force, and efficient energy transfer. This assures the flow of materials through bins, chutes, and weigh batchers; compacts powdered and viscous materials in containers or forms; and activates screens and precipitators.

Exhaust Silencer & Dust-proofer reduces exhaust noise and protects working parts of the vibrator in dusty conditions for lower maintenance and prolonged life. Threaded exhaust is ideal for closed sanitary system.

Model 50-S & 55-S Silent Operating Piston Vibrators are ideal in areas where noise is objectionable because the piston impact is eliminated by a cushion of air at both ends. High thrust oscillatory action permits operation even in low air pressures. Use next larger size when silent units are used in place of impact units.

Model 50-L, extra-long body for high amplitude, high force and lower frequency vibration – best for moving fluffy, low density and wet or sticky materials. Available with Exhaust Silencers. Dustproofers are available for lower maintenance and prolonged life

Model 50-2EP, Extended Piston has a 5/8" stroke and threaded extension for attaching rods or bumpers. Ideal for use on portable tote bins or hoppers.

For greater force, increase piston diameter size - 1", 1-1/4", 1-1/2", 2", 3".

Technical Data - Model 50 & 55

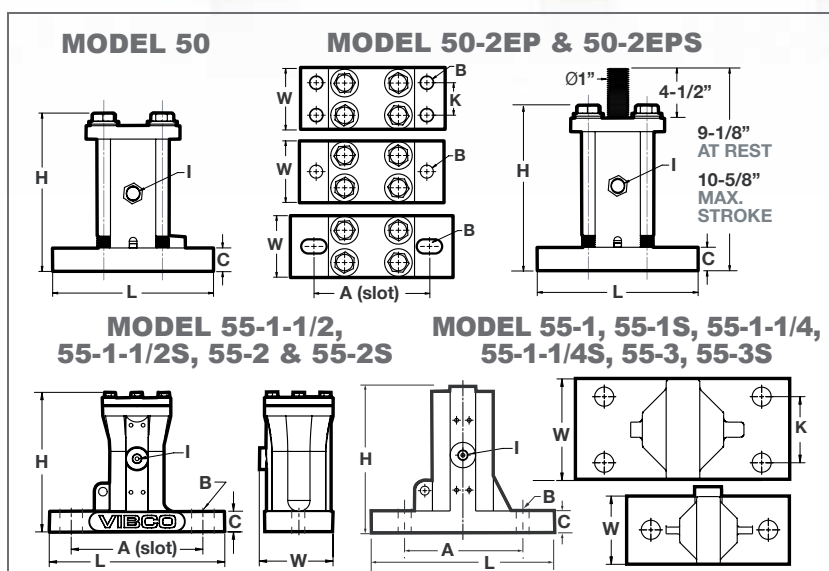
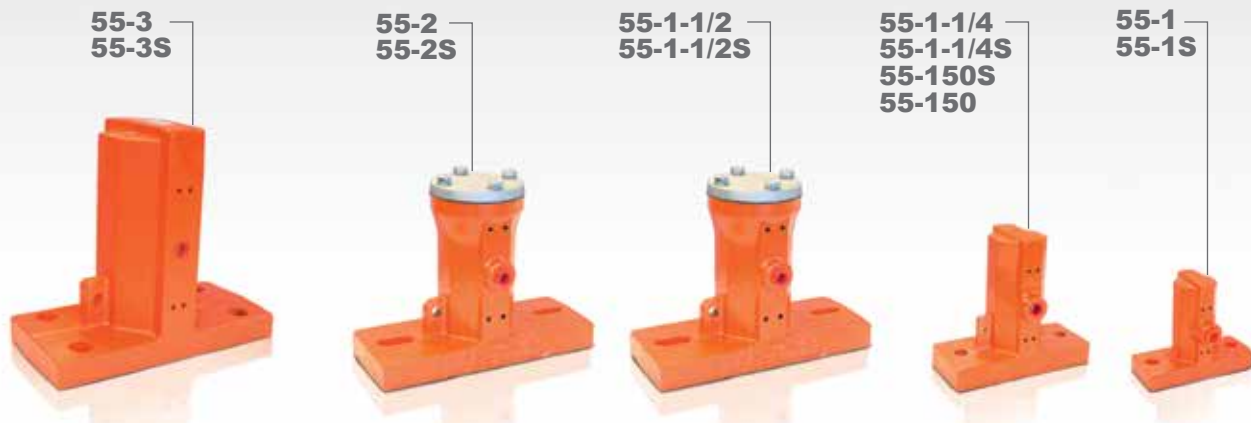
50 & 55 Models	Weight				40 PSI (2.8 Bar)		60 PSI (4 Bar)		80 PSI (5.5 Bar)		Max. Weight* of Material in Bin Slope Area			
	Model 50		Model 55		Vibration per min.	Cubic ft. per min.	Vibration per min.	Cubic ft. per min.	Vibration per min.	Cubic ft. per min.	lbs.		kg.	
	lbs.	kg.	lbs.	kg.	VPM	CFM	VPM	CFM	VPM	CFM	Min.	Max.	Min.	Max.
1	5.0	2.3	3.5	1.6	6,500	3.5	9,000	4.0	11,000	5.0	200	400	90	180
1S**	5.0	2.3	3.5	1.6	3,900	3.5	5,400	4.0	6,500	5.0	100	200	45	90
1-1/4	11.0	5.0	9.0	4.1	4,000	5.0	5,500	7.0	7,000	9.0	400	1,000	180	455
1-1/4S**	10.0	4.5	8.0	3.6	2,400	5.0	3,300	7.0	4,200	9.0	200	400	90	180
55-150	—	—	9.0	4.1	3,600	5.5	4,600	7.5	5,200	9.5	500	2,500	225	1,150
55-150S**	—	—	9.0	4.1	2,400	5.0	2,700	7.0	3,000	9.0	300	700	135	320
1-1/2	17.0	7.7	21.0	9.5	2,800	6.5	4,000	9.0	5,200	11.0	1,000	4,000	455	1,815
1-1/2S**	16.0	7.3	20.0	9.1	1,700	6.5	2,400	9.0	3,200	11.0	400	1,000	180	455
2	23.0	10.4	20.0	9.1	3,200	7.5	4,000	12.0	5,000	15.0	4,000	10,000	1,815	4,535
2S**	23.0	10.4	19.0	8.6	1,950	7.5	2,400	12.0	3,000	15.0	1,000	4,000	455	1,815
2L	26.0	11.8	—	—	1,600	17.0	2,000	26.0	2,400	31.0	8,000	20,000	3,630	9,070
2LS**	25.0	11.3	—	—	950	17.0	1,200	26.0	1,500	31.0	4,000	10,000	1,815	4,535
3	51.0	23.1	45.0	20.4	2,700	18.0	3,200	25.0	3,800	30.0	10,000	30,000	4,535	13,610
3S**	50.0	22.7	44.0	20.0	1,650	18.0	1,950	25.0	2,300	30.0	8,000	20,000	3,630	9,070
3L	62.0	28.1	—	—	1,350	31.0	1,500	42.0	1,700	51.0	20,000	70,000	9,070	31,750
3LS**	61.0	27.7	—	—	800	31.0	900	42.0	1,000	51.0	10,000	30,000	4,535	13,610

* Rule of thumb for sizing: One lb. vibrator force to each 10 lbs. of bin content at 80 PSI

** S indicates Silent, Cushion Impact for quiet operation

NOTE: • Data obtained on laboratory test block
• Frequency and force will vary with quality of air, unit lubrication, and rigidity of mount
• Data subject to design changes

ONE PIECE HOUSING MODEL 55 EXHAUST MANIFOLD - LINEAR FORCE



VIBCO Piston Vibrators provide high impact and efficient energy transfer to ensure a smooth flow of material through bins, chutes, weigh batchers and more.

Dimensions

Model 50	L		W		H		A**		B*		C		I		K	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	in.	mm	
50-1"	4-1/2	114	2	51	4-9/16	116	3-1/2	89	1/2	13	5/8	16	1/8	-	-	
50-1-1/4"	6	152	2-1/2	64	6-1/2	165	4-1/2	114	1/2	13	3/4	19	1/4	-	-	
50-1-1/2"	7-1/2	190	3	76	7-15/16	202	6	152	3/4	19	3/4	19	1/4	-	-	
50-2"	9	229	3-1/2	89	7-15/16	202	6 to 7-1/2	152 to 191	3/4	19	3/4	19	1/4	-	-	
50-2L"	9	229	3-1/2	89	9-7/16	240	6 to 7-1/2	152 to 191	3/4	19	3/4	19	1/4	-	-	
50-2EP	9	229	3-1/2	89	†	†	6 to 7-1/2	152 to 191	3/4	19	3/4	19	3/8	-	-	
50-3"	10-1/2	267	4-1/2	114	10-1/2	267	8-7/16	214	3/4	19	1	25	1/2	2-1/2	64	
50-3L"	10-1/2	267	4-1/2	114	13-1/2	343	8-7/16	214	3/4	19	1	25	1/2	2-1/2	64	
50-CLE-3L"	10-1/2	267	4-1/2	114	13-1/2	343	8-7/16	214	3/4	19	1	25	1/2	2-1/2	64	
Model 55	L		W		H		A**		B*		C		I		K	
55-1"	4-1/2	114	2	51	3-7/8	98	3-1/2	89	1/2	13	5/8	16	1/8	-	-	
55-1-1/4" & 55-150	6	152	2-1/2	64	5-5/8	143	4-1/2	114	1/2	13	7/8	22	1/4	-	-	
55-1-1/2"	9	229	3-1/2	89	7-1/4	184	6 to 7-1/2	152 to 191	5/8	16	1-1/8	29	1/4	-	-	
55-2"	9	229	3-1/2	89	7-1/4	184	6 to 7-1/2	152 to 191	5/8	16	1-1/8	29	1/4	-	-	
55-3"	10-1/2	267	5	127	9-7/16	240	7-3/4	197	7/8	22	1-1/8	29	3/8	3-1/4	83	

* Max. mounting bolt diameter
† See 50-2EP Diagram

** Range of size indicates slotted mounting holes
Alternate bolt patterns available. Consult factory.

NOTE: • Material, Dimensions & Data subject to change without notice
• Dimensions ±1/16"