

BALL VIBRATORS : PRODUCT DATA SHEET

VibraBall Vibrators



They're Powerful, Versatile and Economical

Quality construction, simple design and low cost make our VibraBall Vibrators a popular choice. They're available in an array of force ranges and construction types to handle a wide variety of material flow challenges. Most commonly used as discharge flow aids on small- to medium-size bins, hoppers and chutes, they're perfect for applications within the chemical, foundry and concrete industries. This model can be used for agitating screen decks and tables or settling and deairing cast and molded products. Our VibraBall Line features a simple design and enough force and frequency range to handle most small- to medium-size jobs.

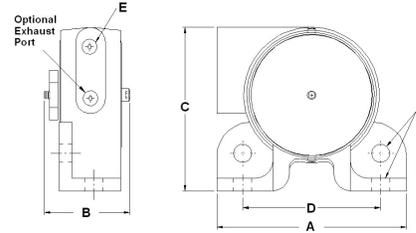
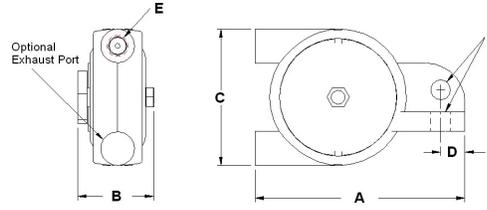
BENEFITS INCLUDE

- High-quality ductile iron housing
- Designed and constructed for continuous duty
- Pneumatic power allows for operation in hazardous areas
- Wide range of vibration intensities and design types allow for flexibility in mounting angles, force outputs, material loads and applications
- Mounting fasteners included for quick setup
- Laser etched stainless steel faceplate and hardware
- Threaded exhaust ports and mufflers come standard

Econ-o-line Ball Vibrators

VBB

MODEL	A	B	C	D	E	F
30	3 1/8" 7.9 cm	1 1/8" 2.9 cm	1 3/4" 4.4 cm	1/2" 1.3 cm	1/8" NPT	5/16" 0.8 cm
40	3 9/16" 9 cm	1 5/16" 3.3 cm	2 1/8" 5.4 cm	1/2" 1.3 cm	1/4" NPT	3/8" 1 cm
50	4" 10.2 cm	1 5/16" 3.3 cm	2 1/2" 6.4 cm	5/8" 1.6 cm	1/4" NPT	3/8" 1 cm
80	5 3/8" 13.7 cm	1 13/16" 4.6 cm	3 1/2" 8.9 cm	5/8" 1.6 cm	1/4" NPT	1/2" 1.3 cm

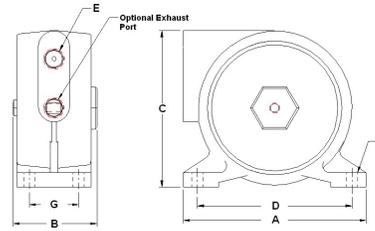


VBC

MODEL	A	B	C	D	E	F
VBC 110	5 1/2" 14 cm	2 13/16" 7.1 cm	4 3/4" 12.1 cm	4" 10.2 cm	1/4" NPT	1/2" 1.3 cm

VBD

MODEL	A	B	C	D	E	F	G
130	6 1/2" 16.5 cm	2 9/16" 6.5 cm	4 3/4" 12.1 cm	5 1/2" 14 cm	3/8" NPT	3/8" 1 cm	1 1/4" 3.2 cm
150	6 1/2" 16.5 cm	3" 7.6 cm	5 1/2" 14 cm	5 1/2" 14 cm	3/8" 1.0	3/8" NPT	1 3/4" 4.4 cm



VBB • VBC • VBD

MODEL	WEIGHT (LBS/KG)	UNBALANCE (IN-LBS/CM-KG)	VERTICAL PSI/BAR REQUIRED TO START	HORIZONTAL PSI/BAR REQUIRED TO START	@20 PSI/1.4 BAR			@40 PSI/2.7 BAR		
					SPEED (VPM)	FORCE (LBF./N)	AIR CONS (CFM/LPM)	SPEED (VPM)	FORCE (LBF./N)	AIR CONS (CFM/LPM)
VBB-30	.5/2	.0045/.75	5/3	2/1	16,000	33/15	2/57	20,000	51/23	4/113
VBB-40	.75/3	.008/1.3	5/3	2/1	10,000	23/10	3/85	15,000	51/23	5/142
VBB-50	1/5	.02/3.3	15/1	10/7	9,000	46/21	4/113	13,000	96/44	6/170
VBB-80	2.5/1.1	.114/19	35/2.4	20/1.4	7,000	159/72	6/170	7,700	192/87	10/283
VBC-110	4/1.8	.351/58	60/4.1	30/2	3,600	129/59	8/227	4,800	230/104	12/340
VBD-130	5/2.3	.654/109	65/4.4	25/1.7	3,500	234/106	9/255	4,500	376/171	15/425
VBD-150	8/3.6	1.22/202	80/5.4	30/2	3,500	311/141	15/425	4,000	554/251	20/566

MODEL	WEIGHT (LBS/KG)	UNBALANCE (IN-LBS/CM-KG)	VERTICAL PSI/BAR REQUIRED TO START	HORIZONTAL PSI/BAR REQUIRED TO START	@60 PSI/4.1 BAR			@80 PSI/5.4 BAR		
					SPEED (VPM)	FORCE (LBF./N)	AIR CONS (CFM/LPM)	SPEED (VPM)	FORCE (LBF./N)	AIR CONS (CFM/LPM)
VBB-30	.5/2	.0045/.75	5/3	2/1	25,000	80/36	6/170	NA	NA	NA
VBB-40	.75/3	.008/1.3	5/3	2/1	20,000	91/41	8/227	NA	NA	NA
VBB-50	1/5	.02/3.3	15/1	10/7	16,000	145/66	9/255	18,000	184/83	12/340
VBB-80	2.5/1.1	.114/19	35/2.4	20/1.4	8,400	228/103	14/396	9,000	262/119	18/510
VBC-110	4/1.8	.351/58	60/4.1	30/2	6,200	383/174	15/425	7,500	560/254	25/708
VBD-130	5/2.3	.654/109	65/4.4	25/1.7	6,000	668/303	21/595	7,000	910/413	30/850
VBD-150	8/3.6	1.22/202	80/5.4	30/2	4,500	700/318	30/850	5,200	935/424	40/1,133

Frequency data obtained through testing under a no-load condition. Frequency will decline as load is increased.

FOR MORE INFORMATION

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