

TURBINE VIBRATORS : PRODUCT DATA SHEET

Turbomite CVT-A Series Turbine Vibrators



As Flexible As They Are Powerful

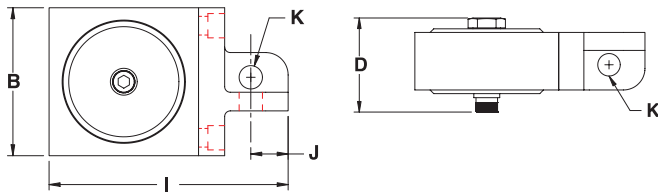
Fabricated with lightweight anodized aluminum, the unique body design of our Turbomite CVT-A Series Turbine Vibrators allows for multiple mounting foot bases with the same body. Our off-the-shelf mounting styles are designed to accommodate existing bolt-hole patterns from competitor turbine and ball vibrators. Or, use your own mounting to integrate our highly powerful and efficient turbine into your design.

BENEFITS INCLUDE

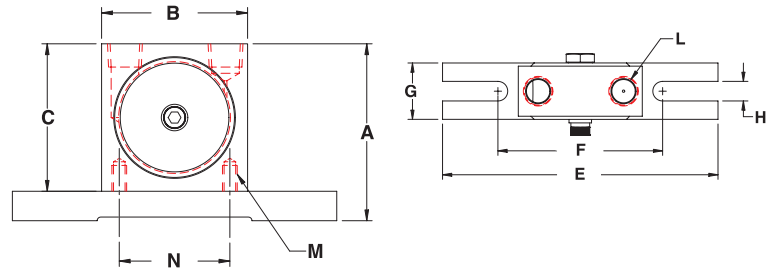
- Lightweight anodized aluminum construction and ultra-efficient use of air for force production allow for long life and continuous duty
- Produce virtually no noise
- Permanently lubricated and sealed bearings enable uninterrupted operation with clean, unlubricated air
- Pneumatic power enables operation in hazardous environments
- Design allows for multiple mounting foot bases with the same body
- Typically last three times longer than ball vibrators
- Grade 5 mounting fasteners included for quick setup

Turbomite CVT-A Series Turbine Vibrators

SINGLE-BOLT STYLE



DOUBLE-BOLT STYLE



CVT-A ALUMINUM BODIED TURBINE VIBRATORS*

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N
CVT-A-30	2 ¹ / ₄ " 5.72 cm	1 ³ / ₄ " 4.45 cm	1 ⁷ / ₈ " 4.76 cm	1 ¹ / ₄ " 3.18 cm	4 ⁷ / ₈ " 12.38 cm	2 ⁵ / ₈ " 6.67 cm	7 ⁸ / ₈ " 2.22 cm	3 ⁸ / ₈ " 0.95 cm	3 ⁷ / ₁₆ " 8.73 cm	3 ⁸ / ₈ " 0.95 cm	5 ¹ / ₁₆ " 0.79 cm	1 ⁸ / ₈ " NPT	#10-24 THREAD	1 ³ / ₈ " 3.49 cm
CVT-A-40	2 ¹ / ₂ " 6.35 cm	2 ¹ / ₈ " 5.39 cm	2 ¹ / ₈ " 5.39 cm	1 ¹ / ₂ " 3.81 cm	4 ¹ / ₂ " 11.43 cm	2 ¹¹ / ₁₆ " 6.83 cm	1" 2.54 cm	3 ⁸ / ₈ " 0.95 cm	3 ⁹ / ₁₆ " 9.05 cm	1 ⁸ / ₈ " 1.27 cm	3 ⁸ / ₈ " 0.95 cm	1 ⁸ / ₈ " NPT	1/4-20 THREAD	1 ¹ / ₂ " 3.81 cm
CVT-A-50	3" 7.62 cm	2 ¹ / ₂ " 6.35 cm	2 ¹ / ₂ " 6.35 cm	1 ⁵ / ₈ " 4.13 cm	5 ¹ / ₂ " 13.97 cm	3 ⁵ / ₁₆ " 8.41 cm	1 ¹ / ₈ " 2.86 cm	1 ³ / ₃₂ " 1.03 cm	4" 10.16 cm	5 ⁸ / ₈ " 1.59 cm	1 ³ / ₃₂ " 1.03 cm	1 ⁴ / ₈ " NPT	1/4-20 THREAD	1 ⁷ / ₈ " 4.76 cm
CVT-A-80	4" 10.16 cm	3 ¹ / ₂ " 8.89 cm	3 ¹ / ₂ " 8.89 cm	2 ¹ / ₄ " 5.72 cm	6 ¹ / ₄ " 15.88 cm	4 ¹ / ₂ " 11.43 cm	1 ⁵ / ₈ " 4.13 cm	9 ¹ / ₁₆ " 1.43 cm	5 ¹¹ / ₁₆ " 14.45 cm	1 ² / ₈ " 1.27 cm	1 ⁷ / ₃₂ " 1.35 cm	1 ⁴ / ₈ " NPT	5/16-24 THREAD	2 ⁷ / ₈ " 7.30 cm

MODEL	WEIGHT (LBS/KG)	UNBALANCE (IN-LBS/CM-KG)	@20 PSI/1.4 BAR			@40 PSI/2.8 BAR		
			SPEED (VPM)	FORCE (LBF/N)	AIR CONS (CFM/LPM)	SPEED (VPM)	FORCE (LBF/N)	AIR CONS (CFM/LPM)
CVT-A-30	.48/.22	.013/.017	12,060	54/239.8	1.1/30.7	14,280	75.3/334.3	1.8/50.9
CVT-A-40	.65/.30	.029/.038	4,500	17/75.5	1.3/33.3	7,900	51/226.4	1.8/50.9
CVT-A-50	1.2/.55	.044/.052	3,500	15/66.6	1.7/48.6	8,970	101/448.4	2.8/80.2
CVT-A-80	2.6/1.2	.194/.229	1,930	20.5/91	1.8/51.6	6,135	207.4/920.9	2.9/82.1

MODEL	WEIGHT (LBS/KG)	UNBALANCE (IN-LBS/CM-KG)	@60 PSI/4.1 BAR			@80 PSI/5.5 BAR		
			SPEED (VPM)	FORCE (LBF/N)	AIR CONS (CFM/LPM)	SPEED (VPM)	FORCE (LBF/N)	AIR CONS (CFM/LPM)
CVT-A-30	.48/.22	.013/.017	16,650	102.4/454.7	2.5/69.8	16,890	105.3/467.5	3.2/90.1
CVT-A-40	.65/.30	.029/.038	12,100	121/537.2	2.5/69.8	15,690	202.8/900.4	3.2/90.1
CVT-A-50	1.2/.55	.044/.052	12,790	204/905.8	3.8/109.5	14,560	265/1,176.6	5/142.6
CVT-A-80	2.6/1.2	.194/.229	8,750	421.8/1,872.8	40/113.5	10,255	579.4/2,572.5	5.2/147.9

Data for the above two tables obtained on 1,000-pound laboratory test block. Frequency of vibration and resulting force will decrease on a less rigid structure.
* When ordering, please specify single- or double-bolt style. Also available without mounting holes.

Like our entire line of Turbomite vibrators, our CVT-A model is more efficient and durable than ball vibrators and well-suited for both large and small applications. That's why they're perfect for a variety of industries, including food and agriculture, aggregate and concrete, pharmaceutical and medical, powders, manufacturing, plastics and foundries. We also offer our High Temperature (HT) units rated to operate in temperatures up to 450°F.

FOR MORE INFORMATION

Call: Sales at 800-221-3298

Email: sales@clevelandvibrator.com

Buy Online: www.clevelandvibrator.com

RECOMMENDED APPLICATIONS:

- Bulk bin or hopper vibration
- Eliminating clogs and choke points from chutes and tracks
- Agitating screen decks to prevent blinding
- Maintaining product flow in feeders and filling machines
- De-airing molded products or liquids
- Packing and densifying products
- Agitating dust collectors and/or filters to remove cake