TURBOMITE CVT SERIES TURBINE VIBRATORS

Our Turbomite CVT Series Turbine Vibrators are incredibly quiet, but their performance attracts plenty of attention. Featuring mild steel construction, they offer unparalleled efficiency and optimal force-to-weight and force-to-air consumption ratios that are easily two to four times better than competitive products. High-temperature vibrators are also available for use in industrial settings up to 450°F.

RECOMMENDED APPLICATIONS:

- Bulk bin or hopper vibration
- Eliminating clogs and choke points from chute 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

RECOMMENDED INDUSTRIES

- Food and Agriculture
- Aggregate and Concrete
- Pharmaceutical and Medical Products
- Manufacturing
- Plastics
- Foundry

BENEFITS INCLUDE

- Quality steel construction and ultra-efficient air consumption allow economical continuous duty
- Produce virtually no noise
- Permanently lubricated and sealed bearings enable uninterrupted operation
- Pneumatic power enables operation in hazardous environments
- Design allows for start and run at low pressure and mounting at any angle
- Typically last three times longer than ball vibrators
- Force outputs from 54 lbs. to 580 lbs.

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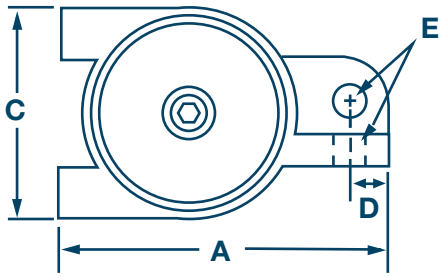
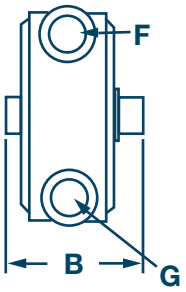
CLEVELAND VIBRATOR COMPANY

More efficient and durable than ball vibrators, our Turbomite CVT Series Turbine Vibrators are 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, manufacturing, plastics and foundries. We also offer our High Temperature (HT) units rated to operate in temperatures up to 450ºF.





MODEL	A	B	C	D	E	F	G
CVT-30	3-1/8"	1-1/4"	1-3/4"	7/16"	5/16"	1/8"	1/8"
CVT-40	3-9/16"	1-1/2"	2-1/8"	1/2"	3/8"	1/8"	1/4"
CVT-50	4"	1-5/8"	2-1/2"	5/8"	3/8"	1/4"	1/4"
CVT-80	5-3/8"	2-1/4"	3-1/2"	5/8"	1/2"	1/4"	1/4"

			@20 PSI			@40 PSI		
MODEL	WEIGHT (LBS)	UNBAL. (IN-LBS)	SPEED (VPM)	FORCE (LBF)	AIR CONS CFM	SPEED (VPM)	FORCE (LBF)	AIR CONS CFM
CVT-30	.54	.013	12,060	54	1.1	14,280	75.3	1.8
CVT-40	.9	.029	4,500	17	1.3	7,900	51	1.8
CVT-50	1.4	.044	3,500	15	1.7	8,970	101	2.8
CVT-80	2.9	.194	1,930	20	1.8	6,135	207.4	2.9

			@60 PSI			@80 PSI		
MODEL	WEIGHT (LBS)	UNBAL. (IN-LBS)	SPEED (VPM)	FORCE (LBF)	AIR CONS CFM	SPEED (VPM)	FORCE (LBF)	AIR CONS CFM
CVT-30	.54	.013	16,650	102.4	2.5	16,890	105.3	3.2
CVT-40	.9	.029	12,100	121	2.5	15,690	202.8	3.2
CVT-50	1.4	.044	12,790	204	3.8	14,560	265	5
CVT-80	2.9	.194	8,750	421.8	40	10,255	579.4	5.2

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.

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