HEAVY DUTY TURBINE
"SILENT" PNEUMATIC VIBRATORS

- **Popular, Economical, Heavy Duty**
- **Large Bearings for Long Service Life**
- **Quiet Operation with Built-In Muffler**
- **Adjustable Speed**
- **Ideal for Dusty, Rough Environments**
- **No Lubrication Required**

SERIES VS - VIBCO's Model VS Turbine Vibrator is ideal for material conveying systems. It's a popular model for medium size batch hoppers and screeds and is made for continuous duty. With its sturdy cast housing, it can be used for rough applications like concrete form vibration. With eight sizes available and over 900 pounds of force possible, VIBCO can find just the right size to solve your material handling requirements.

The powerful VS Model is manufactured with a variety of finishes which also make it ideal in food grade and sanitary use. It packs just the right punch to keep your bulk material moving and requires no lubrication.

Material conveying systems work more efficiently with our Model VS Turbine mounted to structural members. Use one of VIBCO's complete mounting systems to get full efficiency and longer life from your vibrator.

Technical Data

CE Ex II 3G 2D T6 85°C

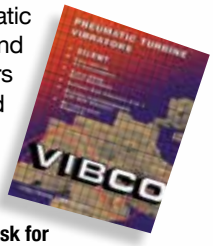
Model	Weight		60 PSI (4 Bar)				80 PSI (5.5 Bar)				Sound*	Max. Weight** of Material in Bin Slope Area	
			Vibration per min.	Cubic ft. per min.	Centrifugal Force		Vibration per min.	Cubic ft. per min.	Centrifugal Force				
	lbs.	kg.	VPM	CFM air	lbs.	Newtons	VPM	CFM air	lbs.	Newtons	dB	lbs.	kg.
VS-100	0.4	0.2	12,000	2.5	20	90	—	—	—	—	66	200	90
VS-130	0.6	0.3	9,000	2.5	45	195	10,500	5.5	75	335	67	750	340
VS-160	2.8	1.3	10,500	4.0	110	495	12,000	7.0	160	710	70	1,600	725
VS-190	3.1	1.4	6,500	6.0	90	410	12,000	7.5	270	1,200	70	2,700	1,225
VS-250	4.5	2.1	7,000	6.0	290	1,300	12,000	7.5	500	2,245	70	5,000	2,270
VS-320	6.5	2.9	5,000	12.0	350	1,560	6,000	15.5	600	2,670	69	6,000	2,720
VS-380	11.0	5.2	4,200	13.0	570	2,520	5,600	16.5	725	3,225	72	7,250	3,290
VS-510	15.0	6.8	6,000	16.0	710	3,165	6,600	20.5	900	4,005	77	9,000	4,080

* Decibel from A-scale at 1 meter and 80 PSI (or maximum listed value)
** Rule of thumb for sizing: One lb. vibrator force to each 10 lbs. of bin content at 80 PSI (or maximum listed value)

NOTE: • Data obtained on laboratory test block
• Frequency and force will decrease on less rigid mount
• Data subject to design changes

VIBCO VS SERIES
BUILT-IN MUFFLER

VIBCO patented the first pneumatic turbine vibrator in the early '70s and has excelled at developing vibrators for industry, manufacturing and construction use ever since. Our current patented design is ***totally enclosed, maintenance-free, and features quiet operation***.



Ask for Catalog #9127

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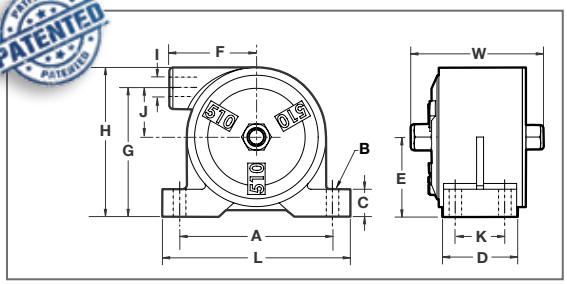

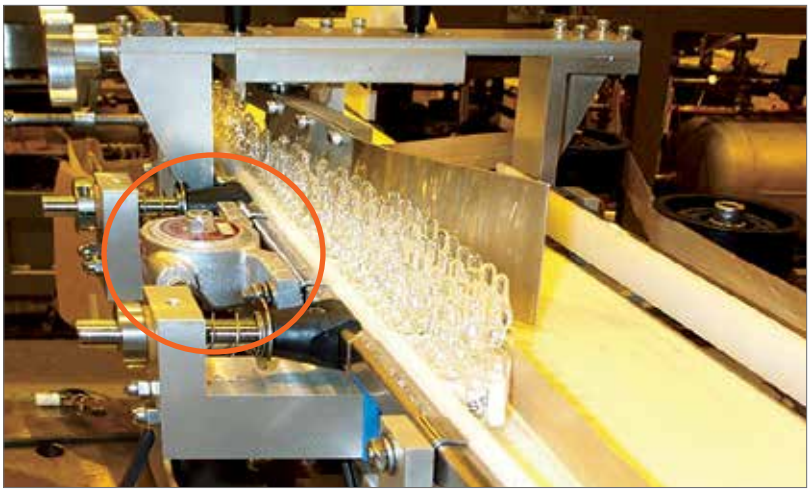

VIBCO's Model VS Turbine Vibrator works equally well on hopper applications (above left) or in conveying delicate glass vaccine bottles as the VS-100 silent Turbine is doing (above) without breakage or getting stuck.

Dimensions

Model	L		W		H		A**		B*		C		D		E		F		G		I	J		K	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	in.	mm	in.	mm
VS-100	3-7/8	98	1-7/8	48	2	51	3	76	1/4	6	3/8	10	3/4	19	1	25	1-5/16	33	1-11/16	43	1/8	5/8	16	–	–
VS-130	4-7/8	124	2	51	2-5/16	59	4	102	3/8	10	3/8	10	15/16	24	1-1/4	32	1-1/2	38	1-15/16	49	1/8	3/4	19	–	–
VS-160	5-1/8	130	2-7/8	73	3	76	4	102	3/8	10	5/8	16	1-3/8	35	1-5/8	41	1-7/8	48	2-7/16	62	1/4	7/8	22	–	–
VS-190	5-7/16	138	3-1/4	83	3-1/16	78	4	102	3/8	10	5/8	16	1-5/16	33	1-3/4	44	2-1/8	54	2-1/2	64	1/4	7/8	22	–	–
VS-250	5-1/2	140	3-5/8	92	3-11/16	94	4	102	1/2	13	9/16	14	1-1/2	38	1-7/8	48	2-1/4	57	3	76	1/4	1-1/8	29	–	–
VS-320	5-1/2	140	4	102	4-3/4	121	4	102	1/2	13	13/16	21	1-3/4	44	2-3/4	70	2-1/4	57	4-1/8	105	3/8	1-1/4	32	–	–
VS-380	6-7/8	175	4-3/4	121	4-7/8	124	5-1/2	140	3/8	10	1	25	2-1/4	57	2-1/2	64	2-7/8	73	4	102	3/8	1-1/2	38	1-1/4	32
VS-510	6-15/16	176	4-3/4	121	5-3/8	137	5-1/2	140	3/8	10	1	25	2-3/4	70	2-7/8	73	3-1/4	83	4-3/4	121	1/2	1-3/4	44	1-3/4	44

* Max. mounting bolt diameter
** Alternate bolt patterns available. Consult factory.

NOTE: • Material, Dimensions & Data subject to change without notice
• Dimensions ±1/16"
• Engineered dimensional drawings available on request