

VIBRATION SOLUTIONS  
2024



# VIBCO® VIBRATORS

SOLVING MATERIAL FLOW & COMPACTION SINCE 1962

# VIBCO EST. 1962

## DISCOVER THE EXCELLENCE OF VIBCO PRODUCTS

Our vibrators are engineered with precision by our qualified engineers, drawing from *more than 60 years of experience* in the field. We stay ahead of the curve, incorporating the latest developments in vibration engineering to create top-notch designs.

But it doesn't stop there. Our highly trained craftsmen and women bring these developments to life, crafting the most reliable and long-lasting vibration equipment on the market. With their expertise, our products surpass industry standards, delivering unmatched durability and performance.

Join The Vibration Nation and elevate your solutions to new heights. Trust VIBCO for quality engineering, built to last.



### Our Mission

*Our mission is clear: "Same Day - Next Day\*." When you place an order, we will ship it out the same day or the next day so it's in a truck and on the way to you. It's not just a promise; it's our True North.*

At VIBCO, we are dedicated to achieving 100% Employee Engagement, Innovation, Throughput, and Quality. We believe in setting the industry standard. Being first in everything we do is our passion. From pioneering new techniques and materials to adhering to OSHA Guidelines and Ecology Programs, we lead the way. You can trust VIBCO to always stay ahead, ensuring our products are not only cutting-edge but also environmentally responsible.

We know time is money so we will get you up and running with the most comprehensive and reliable line of vibration products on the market. Every unit undergoes rigorous testing before leaving our facility, ensuring unwavering quality and performance.

And unlike others, we value personal connection. When you choose VIBCO, you can expect to speak with our knowledgeable team directly—no answering machines or automated chat bots, just real conversations.

Elevate your expectations and experience the VIBCO difference. Discover the power of true dedication to excellence.

**VIBCO: Setting the Standard in Vibration Products.**

### Bolt Patterns fit Competitive Units

VIBCO's versatile bolt hole patterns are compatible with other brand patterns. Simply call to purchase a superior VIBCO vibrator and let us know what bolt pattern you need to match.

*We will get you the proper unit for your application - and will even match metric thread configurations.*



### Over 30 US Patents

Most of VIBCO's products are manufactured under one or more of the following U.S. Patents:

3,790,137	3,638,914	3,672,639	
3,945,246	3,870,282	3,932,057	3,938,905
4,407,403	4,042,102	4,280,616	4,389,120
4,583,414	4,424,718	4,425,813	4,472,980
5,439,314	4,653,927	4,590,814	5,143,256
6,349,817	5,672,027	5,580,234	6,058,588
7,458,547	6,837,648	6,857,773	7,195,217
	7,900,884	7,955,050	9,234,316

*Applications for these patents have also been made in most other countries*



### Our FREE 10 DAY TRIAL

**Since 1962 over 1 million customers** have successfully participated in our free trial program and proven to themselves that VIBCO products are a great choice for vibration equipment. Call VIBCO and we will help you get your vibrator properly mounted for exceptional long service life and terrific transfer of the vibration force - **NO RISK TO YOU!** -

**ASK FOR ANY ONE OF OUR STANDARD UNITS FOR A 10 DAY FREE TRIAL!** Your only obligation under this free trial is to absorb the freight charges. To get your Free Trial Unit, speak to our engineers **call 1-800-633-0032** and send us your purchase order marked: **"For Free Trial"** and **MAKE IT RIGHT!**

**MADE IN USA**   
At 75 Stilson Road, Wyoming, Rhode Island



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PAGE EDGE TO QUICKLY LOCATE PRODUCT TYPE

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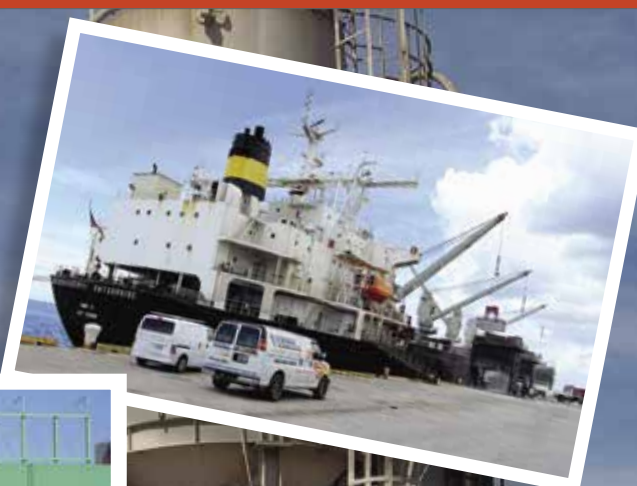
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**Form, Function, & Fit are the same for all housings; Castings, Aluminum or Advanced Composite Materials**



# VAN VISIT



## VIRTUAL VAN VISIT™

### VIBCO Virtual Van Visit™ (VVV): Offers Personalized Solutions at Your Fingertips!

When our actual vans can't physically be there, our experienced technical team brings their expertise to you through a VIBCO Virtual Van Visit™ (VVV). Only by seeing the problem clearly, can our engineers address the issue(s).

It's a convenient way for us to get a first-hand look at your vibrator application. Simply send us photos of the area, and our team will provide you with a comprehensive report, complete with step-by-step instructions for quick and easy installation. VVV has been helping our customers for over 40 years.

**Why is a photo so important?** By seeing your situation firsthand, our technical team can provide tailored recommendations. With decades of vibrator installation, selection, and sizing experience, our engineers can maximize the benefit you receive. It's like having our experts on-site with you, even from a distance.

Photos allow us to understand your production area, including size limitations, equipment setup, obstructions, and other

factors that impact your installation. While drawings are helpful, a picture truly speaks volumes, conveying crucial information efficiently.

To ensure convenience, we accept photos in any standard format (e.g., .jpg, .png, .tif, .pdf, .ai, and even camera raw or Photoshop files). Simply send your photos to [info@vibco.com](mailto:info@vibco.com), and our team will get to work promptly. You can expect to receive an initial report within a few hours of submitting your photos.

We understand that physical visits may not always be feasible, which is why VIBCO offers the VVV as a quick and efficient alternative. Our aim is to provide you with the information you need when you need it, without waiting or scheduling conflicts.

Experience the benefits of VIBCO's VV for yourself. By receiving a personalized solution tailored to your specific needs, you'll save both time and money. Don't hesitate—get started today!

100% FREE of charge

Send your photos to [sales@vibco.com](mailto:sales@vibco.com) and let our experts guide you to the perfect vibration solution.





# LEAN TOURS One Click, One Breath, One Motion, One Second, One Team

## Experience the Power of Positive Change with VIBCO

Since 2012, we have proudly hosted over 9,000 individuals on transformative tours aimed at introducing, teaching, and encouraging successful lean processes for positive change within businesses. At VIBCO, we are driven by a purpose that extends beyond manufacturing exceptional vibration products.

Our employees are at the heart of our operations, engaged in every step of the manufacturing process. Each day begins with our "Morning Stretch" meetings, where we not only engage in gentle stretching exercises to prepare ourselves for the day but also foster

continuity, set goals, and reinforce our "good to great" philosophy. We believe in the power of collective improvement, encouraging employees to "Shake the Waste" by sharing daily improvements and innovations. We also make time for "Gratefulness," acknowledging and appreciating how our fellow employees contribute to individual and collective success at VIBCO.

As a strengths-based organization, we recognize and maximize the unique characteristics of each employee. Through assessments such as Clifton's Strengths Finder, we ensure that individuals' strengths are incorporated and balanced throughout our office and manufacturing floor. By harnessing the power of our employees' strengths, we create a dynamic and collaborative work environment that fuels our success.

At VIBCO, our commitment to continuous improvement is ingrained in our culture. We have a natural inclination to "Fix What Bugs You." Every minute of every workday, we strive to distance ourselves from the competition by providing the most diverse and innovative product line. Our dedication to staying ahead, embracing

change, and consistently improving sets us apart as industry leaders.

Experience the transformative power of VIBCO. Join us in embracing positive change, maximizing strengths, and enjoying the benefits of a culture driven by continuous improvement. Discover the most diverse and innovative vibration product line in the market today.

Choose VIBCO: Empowering Positive Change, One Vibration at a Time.



VIBCO's CEO, Karl Wadensten, introduces a tour group to our Lean, Strengths-based Manufacturing before the tour begins



Machinist, Dave Bragonier, shows a tour participant how to run one of our state-of-the-art Okuma's.

**THE VIBRATION NATION** We are the Vibration Nation™ living by our "True North: Innovation, Throughput, Quality, Same-Day: Next-Day" philosophy.

**SET UP A LEAN TOUR TODAY!**

1-401-539-2392 [tours@vibco.com](mailto:tours@vibco.com)

## THE VIBCO GUARANTEE

**WE GUARANTEE OUR VIBRATORS TO PERFORM** per specifications or they can be returned for full credit or exchanged.

**PLEASE NOTE:** For Vibrators to function as noted in this catalog, they need to be mounted properly. Add a **VIBCO Mounting System** to your purchase for better effectiveness. It will take the guesswork out of applying vibrators properly while saving you time and money.

Please contact a VIBCO sales and engineering representative with your specifications to receive accurate product selection and mounting instructions. ([sales@vibco.com](mailto:sales@vibco.com))

VIBCO commissioned a study\* to determine how we can create more sustainable manufacturing processes. One key finding was that, by eliminating paint, we could reduce our environmental impact and reduce handling while actually improving the durability and sustainability of our vibrators. We are pleased to offer a non-corrosive cast finish as well as our water-based Eco-friendly painted finishes, stainless steel in two grades, aluminum and composite housings on many of our units. **We are dedicated to environmental improvements** that foster a sustainable future and lead to social and economical improvements in the community we do business.

\*Cost and Environmental Impacts in Manufacturing: A Case Study Approach. Nörmann, N. August 2015



VIBCO holds the patent for the **Original Silent Turbine Vibrator**. This logo, next to the Technical Data Chart assures you that you are dealing with the original innovator!



### CATALOG CHANGES:

Due to continuous improvement in design and performance VIBCO dimensions and data are subject to change without notice.

### APPLICATIONS:

**Every vibrator application is different.** The solutions presented in this catalog should not be considered as instructions or recommendations. Please contact VIBCO for assistance selecting a vibrator for your specific application.

### ENGINEERING:

We are happy to provide a certified dimensional drawing. Please contact a VIBCO sales engineer for the most current product information.

# PNEUMATIC VIBRATORS ON THE JOB APPLICATIONS



Above: Each time the hopper needs to empty, the VIBCO **VS-320** Pneumatic Turbine vibrator (as seen on page 10) is activated to ensure a complete clearing of the hopper. Its walls will stay totally clean and the correct amount of material will be consistently dispensed.



Above: Mounting this **50-2** unit (as seen on page 24). When mounted on a hopper it will help to create consistent flow of material. It aids in reducing overall batch times on the scale and in dispensing an accurately measured, consistent batch. No more labor time wasted banging on the hopper walls to release stuck material.



Above: The patented **SVR** design (page 30-31) shown in the dust collectors of this power plant, have a dB reading of 95-110. They are also available in a silent version which brings the dB down to 80-85.



Above: A **PC-3500 Big Buster** (see page 34-35 and 58-59) shakes a railroad hopper car with it's high force and low frequency. It easily clamps to the railcar and can be moved from place to place.



# PNEUMATIC VIBRATOR

## SECTION

### TURBINE VIBRATORS .....pages 8-21



- ▶ **BVS Series** Ideal for food & pharma, uses non-lubricated air supply  
New BVS-190PLAS and BVS-160PLAS
- ▶ **VS Series** Ideal for material conveying, continuous duty, 900 lbs. of force
- ▶ **CC Series** Ideal for precast with high force & no lubrication needed.
- ▶ **MLT/MHI Series** Aluminum body ideal for clean areas - high speed sealed bearings
- ▶ **STV Series** Sanitary, totally enclosed and washdown safe for Food and Pharma
- ▶ **MLTSS Series** Stainless steel body handles sanitary and harsh chemical environments
- ▶ **BBS Series** Smallest turbine vibrator in aluminum housing with versatile mount
- ▶ **GIO Series** Glass filled nylon housing has excellent resistance to solvents.
- ▶ **FBS Series** Designed for intermittent duty for match plate with versatile mount

### BALL VIBRATORS .....pages 22-23



- ▶ **BB Series** With it's threaded exhaust, it pipes away oily exhaust air, produces small to medium vibration
- ▶ **BV Series** Continuous operation, withstands temperatures up to 350° with air pressure of 5-10 psi
- ▶ **V Series** (Shown left) producing up to 600 lbs. at 10,000 VPM, can be used in high temperatures

### PISTON VIBRATORS.....pages 24-29



- ▶ **Model 50** (Shown in photo) High impact, linear force in a steel body, long life
- ▶ **Model 55** Cast iron, sturdy housing ideal for bins, chutes, weigh batchers, & more
- ▶ **Model LI** Adjustable impacts on this high energy impactor for bins, chutes, & more
- ▶ **Model MP** Mini piston with high force to weight, for small hoppers, bins, feeders
- ▶ **Model 10, 30, 40, 70, 80** End mounted pistons a variety of options for many applications

### HIGH FREQUENCY VIBRATORS .....pages 30-33



- ▶ **SVR Series** (Shown in photo w/o lug bracket) Conventional model, high frequency
- ▶ **SVRL Series** Uses lug bracket for easy portability - high force, high frequency
- ▶ **SVRS Series** Patented silent model with a dB reading of 80 to 85
- ▶ **SVRX Series** Fits every concrete form system on the market today

### PNEUMATIC & HYDRAULIC VIBRATORS .....pages 34-35



- ▶ **PF Series** Big Buster pneumatic - precise speed control allows "tuning" of vibrator
- ▶ **HF Series** Big Buster hydraulic - ideal for tough jobs like railroad cars and bins
- ▶ **PC Series** Big Buster pneumatic built in clamp
- ▶ **HC Series** Big Buster hydraulic built in clamp
- ▶ **HLF Series** (Shown in photo) Small version of Big Buster
- ▶ **HL Series** Small version of Big Buster for lug bracket
- ▶ **B Series** Hydraulic version ideal for O.E.M. equipment



# HEAVY DUTY TURBINE "SILENT" PNEUMATIC VIBRATORS

BVS-570  
BVST-4400

BVS-510  
BVS-510AL

BVS-380

BVS-320

7-1/4"  
184 mm

AL IS  
ECO  
FRIENDLY

ECO  
FRIENDLY

IN ALUMINUM VERSION

- Heavy Duty Series, High Force Output
- Threaded Exhaust Port
- Large Bearings for Long Service Life
- Outlasts Piston Vibrators 3 to 1
- Quiet, Meets OSHA Standards (noise exposure below 85 decibels averaged over 8 working hours)
- No Lubrication Required
- Call for High Speed / High Temp / High Amplitude

**SERIES BVS** - Introducing the BVS Series by VIBCO - the perfect solution for extra heavy-duty vibration needs. With 9 models to choose from, these turbine vibrators are designed for industries where oil exhaust is undesirable, such as food and pharmaceutical. The BVS Series features non-lubricated air supply and a threaded exhaust port for closed, sanitized systems. With large amplitudes and customizable casting options, these vibrators are ideal for quickly moving parts or materials. Trust VIBCO's BVS Series for reliable and efficient vibration solutions.

Ask for  
Catalog  
#9127



With its high force output, a BVS unit can easily move tough industrial materials in sturdy hoppers like the BVS 160 shown above. The air fitting on top helps with the flow.



## Technical Data

CE 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.
BVS-60	0.4	0.2	10,000	2.5	20	90	—	—	—	—	66	200	90
BVS-130	0.6	0.3	7,500	2.5	45	195	10,500	5.5	75	335	67	750	340
BVS-160	3.0	1.4	9,500	4.0	120	530	12,000	7.0	160	710	70	1,600	725
BVS-190	3.5	1.6	7,000	6.0	160	710	12,000	7.5	270	1,200	71	2,700	1,230
BVS-250, BVS-250AL	5.3/3.5	2.4/1.6	7,000	6.0	250	1,110	12,000	7.5	480	2,135	72	4,800	2,180
BVS-320	8.0	3.6	5,000	12.0	395	1,750	6,000	15.5	600	2,670	70	6,000	2,730
BVS-380	13.1	6.0	4,200	13.0	545	2,415	5,600	16.5	670	2,980	74	6,700	3,845
BVS-510, BVS-510AL	16.0/12.0	7.3/5.4	5,200	16.0	710	3,165	6,600	20.5	900	4,005	77	9,000	4,080
BVS-570	23.0	10.4	2,800	23.5	850	3,790	4,000	29.5	1,050	4,670	83	10,500	4,775
BVST-4400	22.0	10.0	11,000	28.0	2,700	12,010	12,500	30.0	3,500	15,570	92	35,000	15,875

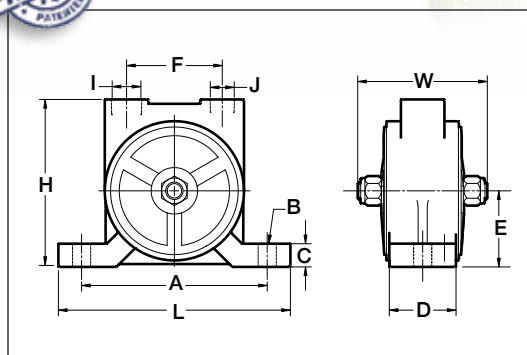
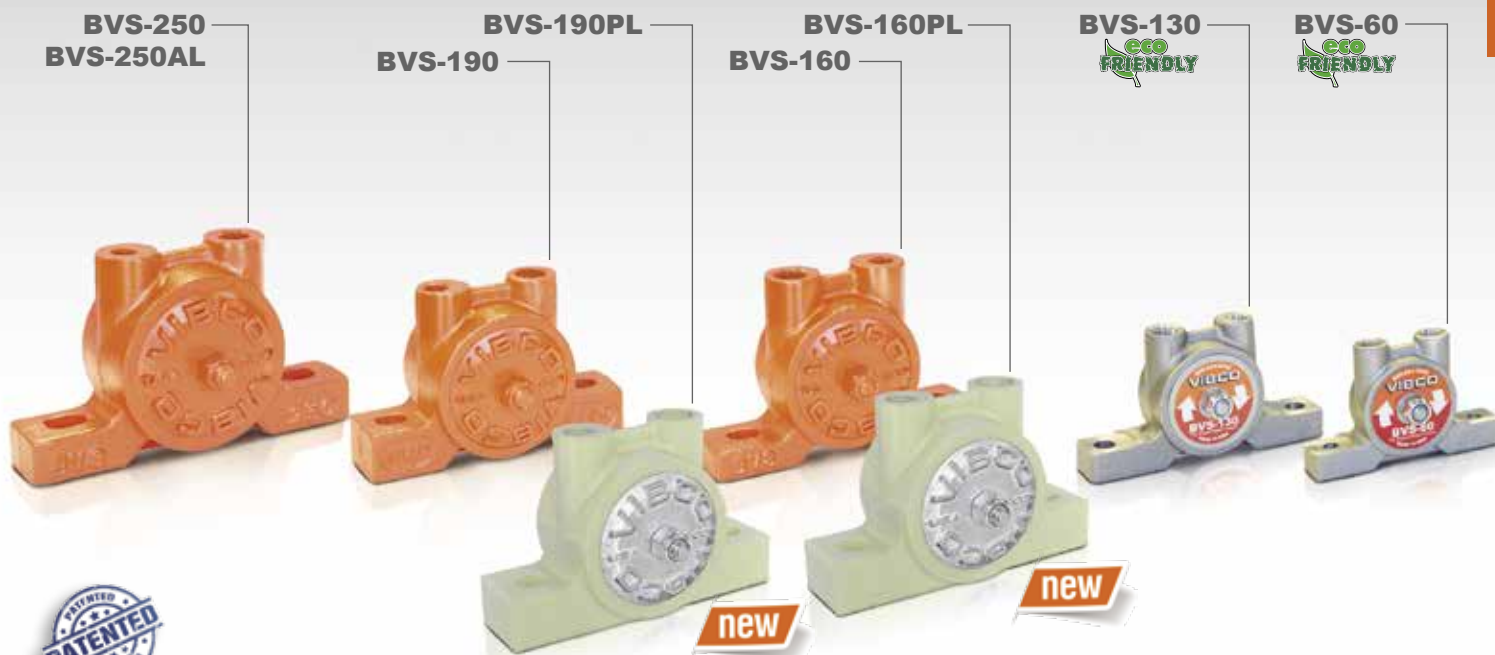
\* Decibel from A-scale at 1 meter and 80 PSI (or maximum listed value)

\*\* Rule of thumb for sizing: One lb. vibrator force to each 10 lbs. of bin content at 80 PSI (or maximum listed value)

\*\*\* First weight is cast iron housing/second weight is Aluminum (AL) signifies aluminum housing

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

# VIBCO BVS SERIES THREADED EXHAUST PORT



Right: VIBCO's standard finish is shown but the BVS is also available in a variety of food-grade and sanitary finishes like bakers enamel and poly (stainless steel and aluminum models are available) and advanced composites.



## Dimensions

Model	L		W		H		A**		B*		C		D		E		F		I	J
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	NPT
BVS-60	3-13/16	97	1-5/8	41	2-7/16	62	3	76	1/4	6	5/8	16	3/4	19	1-3/16	30	1-1/4	32	1/8	1/8
BVS-130	4-7/8	124	1-7/8	48	2-5/8	67	4	102	3/8	10	5/8	16	7/8	22	1-1/4	32	1-7/16	37	1/8	1/4
BVS-160	5-1/2	140	2-7/8	73	3-5/8	93	4	102	3/8	10	9/16	14	1-3/8	35	1-11/16	43	1-7/8	48	1/4	3/8
BVS-190	5-1/4	133	3-1/16	81	3-7/16	87	4	102	3/8	10	7/8	22	1-5/16	33	1-9/16	40	1-7/8	48	1/4	3/8
BVS-250	6-3/4	171	3-9/16	90	3-15/16	100	5	127	1/2	13	7/8	22	1-3/8	35	1-7/8	48	2-5/16	59	1/4	3/8
BVS-320	6-3/4	171	4	102	4-7/8	124	5	127	1/2	13	1-1/8	29	1-5/8	41	2-1/4	57	2-3/4	70	3/8	1/2
BVS-380	7-15/16	202	4-3/4	121	5-13/16	148	6	152	5/8	16	1-1/8	29	2	51	2-11/16	68	3	76	3/8	1/2
BVS-510	8-15/16	227	4-3/4	121	5-3/4	146	7	178	5/8	16	1-1/4	32	2-1/4	57	2-9/16	65	3-7/16	87	1/2	3/4
BVS-570	10-3/16	259	5-7/16	138	7-1/4	184	8	203	3/4	19	1	25	2-15/16	75	3-5/16	84	4-3/16	106	3/4	1
BVST-4400	10-3/16	259	5-7/16	138	7-1/4	184	8	203	3/4	19	1	25	2-15/16	75	3-5/16	84	4-3/16	106	3/4	1

\* Max. mounting bolt diameter

\*\* Alternate bolt patterns available. Consult factory.

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

# 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** - Introducing VIBCO's VS Series Turbine Vibrator - the ultimate solution for material conveying systems. Specifically designed for medium-sized batch hoppers and screeds, this versatile model excels in continuous duty applications. With its robust cast housing, the VS Turbine Vibrator can withstand rough conditions like concrete form vibration. Choose from eight different sizes and experience up to 900 pounds of force, ensuring the perfect fit for your material handling needs.

The VS Model also offers various finishes and paint, making it suitable for food-grade and sanitary environments. Its powerful performance keeps bulk material flowing effortlessly, eliminating the need for lubrication and ensuring a hassle-free operation. Experience the power, durability, and versatility of VIBCO's VS Series Turbine Vibrator to optimize your material handling processes.



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 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	
	lbs.	kg.	Vibration per min.	Cubic ft. per min.	Centrifugal Force		Vibration per min.	Cubic ft. per min.	Centrifugal Force			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/VS-160AL	2.8/1.7	1.3/0.8	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/VS-250AL	4.5/3.2	2.1/1.5	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/VS-380AL	11.0/7.0	5.2/3.2	4,200	13.0	570	2,520	5,600	16.5	725	3,225	72	7,250	3,290
VS-510/VS-510AL	15.0/9.4	6.8/4.3	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)

\*\*\* First weight is cast iron housing/second weight is Aluminum (AL) signifies aluminum housing

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

VS-250  
VS-250AL

AL IS  
eco  
FRIENDLY



VS-190



VS-160  
VS-160AL

AL IS  
eco  
FRIENDLY



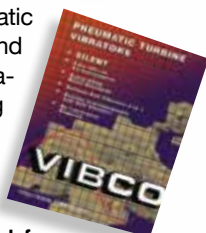
VS-130  
eco  
FRIENDLY



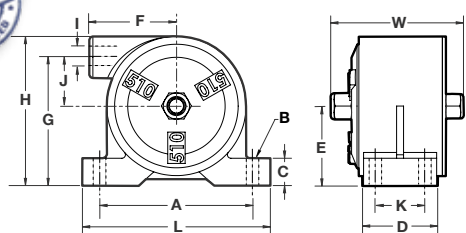
VS-100  
eco  
FRIENDLY



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 *enclosed, maintenance-free, and features quiet operation.*



Ask for  
Catalog #9127



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

## Dimensions

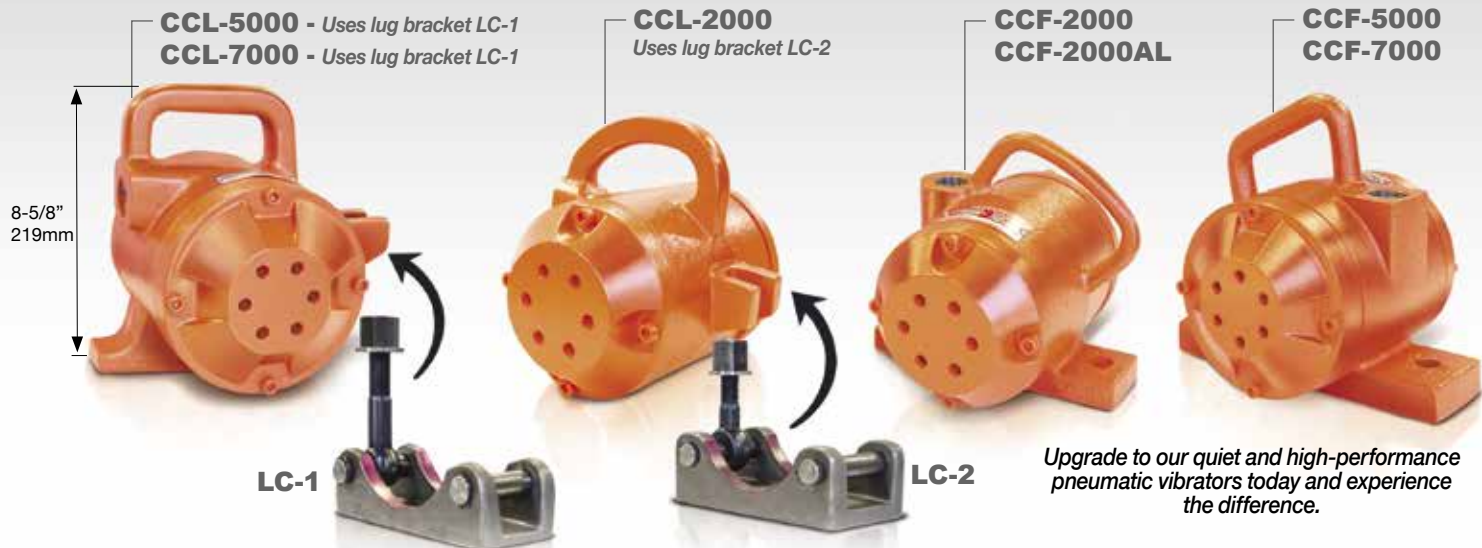
Model	L		W		H		A**		B*		C		D		E		F		G		I	J		K	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	in.	mm	in.	mm
VS-100	3-7/8	98	1-7/8	48	2	51	3	76	1/4	6	3/8	10	3/4	19	1	25	1-5/16	33	1-11/16	43	1/8	5/8	16	-	-
VS-130	4-7/8	124	2	51	2-5/16	59	4	102	3/8	10	3/8	10	15/16	24	1-1/4	32	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  $\pm 1/16"$   
• Engineered dimensional drawings available on request

# HEAVY DUTY TURBINE "SILENT" PNEUMATIC VIBRATORS



- Years of Trouble-Free Service
- High Force
- Quiet, Exceeds OSHA Standards
- Patented Design
- No Lubrication Required

Introducing our revolutionary line of pneumatic vibrators, the most quiet and most efficient units on the market. With their high force output and virtually silent operation, these vibrators are designed to provide optimal performance without compromising on peace and quiet. Featuring nine models, all utilizing our patented turbine principle, these vibrators are powered by compressed air that drives a specially designed turbine wheel. This allows the air to be channeled through the unit, then exhausts through muffler pads, resulting in an almost noiseless operation. Say goodbye to the disruptive noise associated with traditional vibrators. Our units are pre-lubricated for life, eliminating the need for additional lubrication. Equipped with oversized bearings, they are built to provide years of trouble-free service, ensuring durability and reliability.

**MODEL CCF-2000, CCF-5000 & 7000** - Foot Mount: Ideal for large bins, hoppers, chutes, packing tables, and screen applications. The lightweight CCF-2000 and CCF-5000 models replace noisy 3" and 4" piston vibrators, offering high force output. The CCF-7000 featuring low noise levels is specifically designed for precast and concrete applications, providing a quiet alternative to roller vibrators.

**MODEL CCW-2000** - Wedge Mount: This portable solution comes with a 2" or 3" wide wedge. The 2" wedge is perfect for septic tanks, manholes, columns, portable hoppers, and tote bins, while the 3" wedge is suitable for larger forms such as wall and utility vaults.

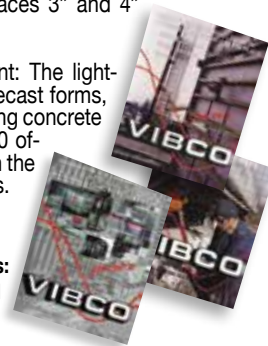
**MODEL CCW-2500 HOBOTM** - Wedge Mount: The Hobo Heavy Duty Pneumatic Turbine Vibrator is the lightest weight railroad car shaker available, weighing only 24 lbs! It offers high force output and virtually silent operation, making it an excellent choice for rail car clean-outs (see page 59).

**MODEL CCW-5000** - Wedge Mount: The Quiet Railroad Car-shaker that has replaced noisy piston railroad car shakers. Designed to fit all standard wedge brackets on hopper railroad cars, it replaces 3" and 4" piston vibrators.

**MODEL CCL-2000, 5000, 7000** - Lug Mount: The lightweight CCL-2000 is perfect for small concrete precast forms, while the CCL models are suitable for tables, casting concrete panels, window frames, and more. The CCL-7000 offers high force and replaces noisy roller vibrators in the concrete pipe, prestressed, and precast industries.

**MODEL VSP-510** - Pin Bracket Mount: The VSP-510 is a silent unit designed for concrete burial vaults and other applications where the vibrator needs to be moved from form to form or bin to bin. These units meet OSHA standards for quiet operation and outlast standard pistons three to one.

Ask for  
Catalogs:  
Railroad  
Car  
Shaker,  
Concrete Handbook  
and Concrete Walls & Columns



## Technical Data

CE 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.
CCF-2000/CCF-2000AL	23/15	10.5/6.8	4,000	30	890	3,960	6,000	40	2,000	8,895	78	20,000	9,070
CCL-2000	23	10.5	4,000	30	890	3,960	6,000	40	2,000	8,895	78	20,000	9,070
CCW-2000	23	10.5	4,000	30	890	3,960	6,000	40	2,000	8,895	78	20,000	9,070
CCW-2500	22	10.0	4,000	25	1,115	4,960	6,000	35	2,500	11,120	78	25,000	11,340
CCF & CCL-5000	48	21.8	4,000	35	2,220	9,875	6,000	50	5,000	22,240	75	50,000	22,680
CCW-5000	48	21.8	4,000	35	2,220	9,875	6,000	50	5,000	22,240	75	50,000	22,680
CCF & CCL-7000	48	21.8	5,000	40	3,380	15,035	7,200	50	7,000	31,135	78	70,000	31,750
VSP-510	15	6.8	4,000	18	790	3,515	4,500	21	1,000	4,450	77	10,000	4,500

\* Decibel from A-scale at 1 meter and 80 PSI

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

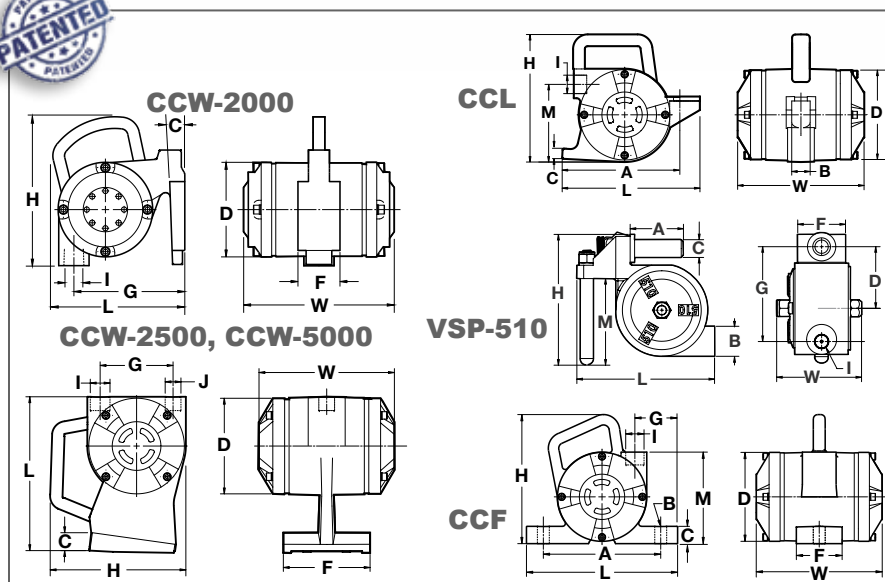
\*\*\* First weight is cast iron housing/second weight is Aluminum housing (AL) signifies aluminum housing

NOTE: • Data obtained on laboratory test block

• Frequency and force will decrease on less rigid mount

• Data subject to design changes

# CC SERIES HIGH FORCE



The CCW-2500 HOBO™ unit shown here fits the standard rail car female wedge bracket for easy unloading of a rail road hopper car.

## Dimensions

Model	L		W		H		A**		B*		C		D		F		G		I	J	M	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	NPT	in.	mm
CCF-2000	7-1/2	190	8-1/16	205	7-1/8	181	6	152	5/8	16	3/4	19	5-1/8	130	2	51	1-3/4	44	3/4	-	5-3/8	137
CCL-2000	7	178	8-1/16	205	7-1/4	184	6	152	3/4	19	3/8	10	5-1/8	130	-	-	-	-	3/4	-	4-1/8	105
CCW-2000	7	178	8-1/16	205	8	203	-	-	-	-	7/8	22	5-1/8	130	2-1/4	57	5-15/16	151	3/4	-	-	-
CCW-2500	9-3/4	248	6-7/16	164	8-5/8	219	-	-	-	-	1-1/8	29	6-1/16	154	5-1/2	140	4-11/16	120	3/4	3/4	-	-
CCF- 5000 & 7000	10-1/4	260	8-5/8	219	8-7/8	225	8	203	3/4	19	1-1/8	29	6-1/16	154	3-1/8	79	2-7/8	73	1	-	6-1/4	159
CCL- 5000 & 7000	9-3/8	238	8-5/8	219	8-5/8	219	8	203	1	25	13/16	21	6-1/16	154	-	-	-	-	1	-	5-1/4	133
CCW-5000	9-3/4	248	8-5/8	219	8-5/8	219	-	-	-	-	1-1/8	29	6-1/16	154	5-1/2	140	4-5/8	117	1	3/4	-	-
VSP-510	8	203	4-13/16	121	7-1/8	181	3	76	1-1/2†	38	1	25	3-1/2	89	2-5/8	67	5-5/16	135	1/2	-	4-3/4	121

\* Max. mounting bolt diameter

\*\* Alternate bolt patterns available. Consult factory.

† See drawing for dimension B, no bolt required for VSP-510

NOTE: • Material, Dimensions & Data subject to change without notice

• Dimensions  $\pm 1/16"$

• Engineered dimensional drawings available on request



# "SILENT" PNEUMATIC TURBINE VIBRATORS

MLT-380  
MHI-380  
**eco FRIENDLY**

MLT-320  
MHI-320  
**eco FRIENDLY**

MLT-250  
MHI-250  
**eco FRIENDLY**



- **MLT Continuous Duty**
- **MHI High Speed, Fast Start, Intermittent Duty**
- **Lightweight Extruded Al Housing**
- **Pressure Range 30 to 80 PSI**
- **Quiet, Exceeds OSHA Standards**
- **No Lubrication Req'd**
- **High Temp (HT) avail. Consult Factory**

**SERIES MLT** - Experience lightweight power with VIBCO's MLT line vibrators. Crafted with extruded aluminum housings, stainless steel shafts, and aircraft aluminum end covers, these vibrators are built for strength, durability, and a long life. The oversized bearings provide additional robustness, ensuring reliable performance. With a slotted mounting hole design, installation becomes a breeze on various bolt patterns. The tapped exhaust ports enable easy piping of exhausting air to maintain a clean environment, or you can opt to install a muffler to reduce noise. Operating within a range of 30-80 PSI and a maximum temperature of 200°F or 93°C 9SLX, these units offer versatility for different applications. Plus, they operate virtually noiselessly, with a dB reading as low as 68 dB on the A-scale at 1 meter, well below OSHA limits.

**SERIES MHI** - Discover the power of quick-start and high frequency with VIBCO's MHI line. These vibrators boast a fast start, reaching full RPM in half the time of standard models. Additionally, they provide a high frequency for efficient performance. The MHI line is designed to meet the demands of various industries, offering a reliable solution for your needs.

**Sanitary Finishes** - Standard finish is unpainted aluminum. Both the MLT and MHI lines are available in a range of sanitary finishes tailored to the food and beverage as well as pharmaceutical industries. Choose standard or high gloss dairy white industrial enamel, ensuring the right fit for your specific application.



Ask for  
Catalog  
#9127



## Technical Data

CE II 3G 2D  
T6 85°C

SILENT TURBINE

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			
MLT-100	0.4	0.2	10,000	2.5	20	90	—	—	—	—	66	200	90
MLT-130	1.0	0.5	7,500	4.5	50	225	10,500	5.5	75	335	68	750	340
MLT-190	2.0	0.9	7,000	7.5	160	710	12,000	7.5	270	1,200	68	2,700	1,225
MLT-250	2.4	1.1	7,000	8.0	250	1,115	12,000	9.0	480	2,135	72	4,800	2,180
MLT-320	4.5	2.0	5,500	9.0	390	1,735	6,800	15.5	600	2,669	70	6,000	2,700
MLT-380	13.1	6.0	4,200	13.0	545	2,415	5,600	16.5	670	2,980	74	6,700	3,040
MHI-100	0.4	0.2	24,000	2.5	80	355	—	—	—	—	68	200	90
MHI-130	1.0	0.5	17,200	4.5	200	890	21,000	5.5	300	1,340	68	3,000	1,350
MHI-190	2.0	0.9	15,000	7.5	335	1,490	17,500	8.5	575	2,560	71	5,750	2,590
MHI-250	2.4	1.1	11,000	8.0	510	2,270	13,100	9.0	965	9,290	72	9,650	4,350
MHI-320	4.5	2.0	8,700	9.0	675	3,000	11,000	10.0	1300	5,780	70	13,000	5,855
MHI-380	9.0	4.0	7,000	13.0	350	1,560	10,000	17.0	1680	7,470	74	6,800	3,090

\* 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 MLT SERIES

## LIGHTWEIGHT

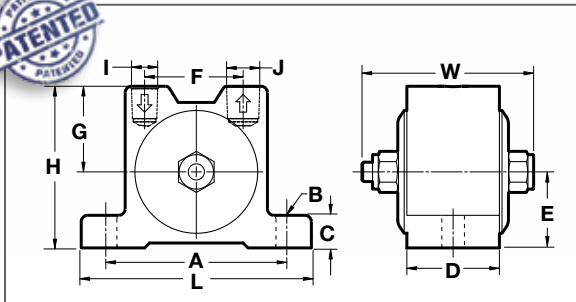
MLT190  
MHI-190  
eco  
FRIENDLY



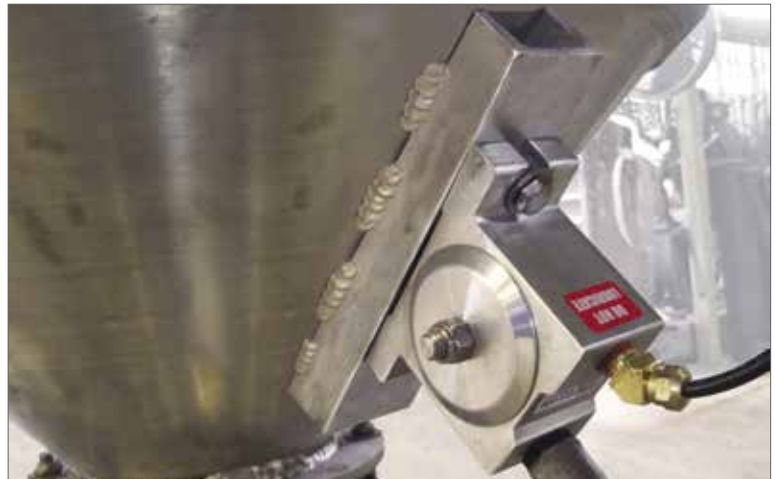
MLT-130  
MHI-130  
eco  
FRIENDLY



MLT-100  
MHI-100  
eco  
FRIENDLY



"Efficiency and Maintenance-Free Operation: The MLT Vibrators (MLT-190 shown on the right) feature high speed sealed bearings and pre-lubrication for life, eliminating the need for maintenance. VIBCO's mounting system enhances efficiency and prolongs vibrator life. Contact our factory for additional mounting details."



## Dimensions

Model	L		W		H		A**		B*		C		D		F		G		I		J	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	NPT		
MLT-100	2-13/16	71	1-5/8	41	2	51	2-3/16	56	1/4	6	3/8	10	13/16	21	1-1/8	29	1-1/16	27	1/8	1/8		
MLT-130	3-1/2	89	1-7/8	48	2-1/2	64	2-3/4	70	1/4	6	1/2	13	1	25	1-7/16	37	1-1/8	29	1/8	1/4		
MLT-190	4-1/2	114	3-3/8	86	3-1/8	79	3-1/2	89	3/8	10	5/8	16	1-13/16	46	1-15/16	49	1-1/2	38	1/4	3/8		
MLT-250	5	127	3-1/2	89	3-3/8	86	4	102	3/8	10	5/8	16	2	51	2-1/4	57	1-11/16	43	1/4	3/8		
MLT-320	6-5/16	160	4	102	4-3/16	106	5	127	1/2	13	13/16	21	2	51	2-3/4	70	2-3/16	56	3/8	1/2		
MLT-380	7-5/8	194	4-15/16	125	4-3/4	121	6	152	5/8	16	1-3/16	30	2-5/16	59	3-1/8	79	2-3/8	60	3/8	1/2		
MHI-100	2-13/16	71	1-5/8	41	2	51	2-3/8	60	1/4	6	3/8	10	13/16	21	1-1/8	29	1-1/16	27	1/8	1/8		
MHI-130	3-1/2	89	1-7/8	48	2-1/2	64	2-3/4	70	1/4	6	1/2	13	1	25	1-7/16	37	1-3/16	29	1/8	1/4		
MHI-190	4-1/2	114	3-3/8	86	3-1/8	79	3-1/2	89	3/8	10	5/8	16	1-13/16	46	1-15/16	49	1-3/4	44	1/4	3/8		
MHI-250	5	127	3-1/2	89	3-3/8	86	4	102	3/8	10	5/8	16	2	51	2-1/4	57	1-11/16	43	1/4	3/8		
MHI-320	6-5/16	160	4	102	4-3/16	106	5	127	1/2	13	13/16	21	2	51	2-3/4	70	2-3/16	56	3/8	1/2		
MHI-380	7-5/8	194	4-15/16	125	4-3/4	121	6	152	5/8	16	1-3/16	30	2-5/16	59	3-1/8	79	2-3/8	60	3/8	1/2		

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

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

# "SILENT" PNEUMATIC TURBINE VIBRATORS



- **Lightweight Aluminum Housing**
- **Sanitary, Washdown Safe**
- **Quiet, Exceeds OSHA Standards**
- **From 100 to 600 lbs of Force**
- **No Lubrication Required**
- **Slotted Foot for Flexible Placement**
- **Thin and Smooth to Fit in Tight Spaces**
- **Fit's Competitive Hole Patterns**

**SERIES STV** -VIBCO proudly presents the SERIES STV, a breakthrough solution for the safe wash-down requirements of pharmaceutical, chemical, and laboratory environments. Developed by our skilled engineers, this line of enclosed units guarantees exceptional performance and unmatched durability.

Designed with meticulous attention to detail, the STV units eliminate any concerns of material collection with their protrusion-free construction. The completely enclosed design ensures maximum safety. The STV units are wash safe, (enclosed for washing but not sealed for rigorous power washing) allowing for efficient and thorough cleaning without compromising their functionality. By simply attaching an air hose to the exhaust port, you can easily channel the exhausting air away from the area, promoting a clean and comfortable environment.

At VIBCO, we take pride in our patented design, which guarantees a long and maintenance-free service life for the STV units. Crafted from high-quality, all aluminum material, these units are impervious to rust and corrosion, providing exceptional reliability and longevity.

Whether you require vibration force for small bins and chutes or large-scale applications in the food, beverage, pharmaceutical, or chemical industries, the STV line offers versatile solutions. With any of the above vibrators, you can achieve optimal vibration performance for a wide range of applications, ensuring efficient and safe operations.



Ask for  
Catalog #9127



## Technical Data

CE II 3G 2D  
T6 85°C

SILENT TURBINE

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.
STV-100	0.4	0.2	24,000	2.5	80	355	—	—	—	—	68	200	90
STV-130	1.0	0.5	17,200	4.5	200	890	21,000	5.5	300	1,340	68	3,000	1,350
STV-190	2.0	0.9	8,000	7.5	335	1,490	10,500	8.5	575	2,560	71	5,750	2,590
STV-250	2.4	1.1	7,400	8.0	510	2,270	10,200	9.0	965	9,290	72	9,650	4,350
STV-320	4.5	2.0	7,200	9.0	675	3,000	10,000	10.0	1300	5,780	70	13,000	5,855
STV-380	13.1	6.0	7,000	13.0	350	1,560	10,000	17.0	680	3,025	74	6,800	3,090

\* 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 STV SERIES

## SANITARY & WASHDOWN SAFE

PNEUMATIC

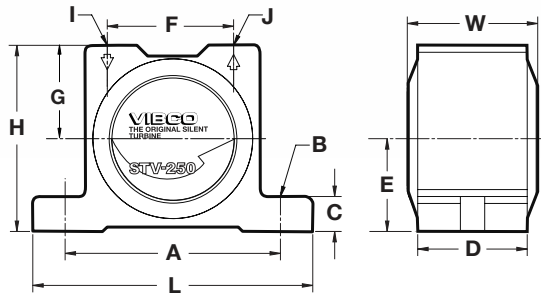
STV-190



STV-130



STV-100



Totally enclosed, the STV shown right is unaffected by washing and will not rust or corrode.



### Dimensions

Model	L		W		H		A**		B*		C		D		F		G		I	J
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	NPT
STV-100	2-13/16	71	1-3/16	30	2	51	2-3/16	56	1/4	6	3/8	10	13/16	21	1-1/8	29	1-1/16	27	1/8	1/8
STV-130	3-1/2	89	1-7/16	37	2-1/2	64	2-3/4	70	1/4	6	1/2	13	1	25	1-7/16	37	1-1/8	29	1/8	1/4
STV-190	4-1/2	114	2-3/16	56	3-1/8	79	3-1/2	89	3/8	10	5/8	16	1-13/16	46	1-15/16	49	1-11/16	43	1/4	3/8
STV-250	5	127	2-3/8	60	3-3/8	86	4	102	3/8	10	5/8	16	2	51	2-1/4	57	1-11/16	43	1/4	3/8
STV-320	6-5/16	160	2-11/16	68	4-3/16	106	5	127	1/2	13	13/16	21	2	51	2-3/4	70	2-3/16	56	3/8	1/2
STV-380	7-5/8	194	3-1/8	79	4-3/4	121	6	152	5/8	16	1-3/16	30	2-5/16	59	3-1/8	79	2-3/8	60	3/8	1/2
* Max. mounting bolt diameter							NOTE: • Material, Dimensions & Data subject to change without notice													
** Alternate bolt patterns available. Consult factory.							• Dimensions ±1/16"													
							• Engineered dimensional drawings available on request													

# VIBCO MLTSS, MHISS STAINLESS

## PNEUMATIC, CONTINUOUS/INTERMITTENT DUTY

MLTSS-320  
MHISS-320



MLTSS-190  
MHISS-190

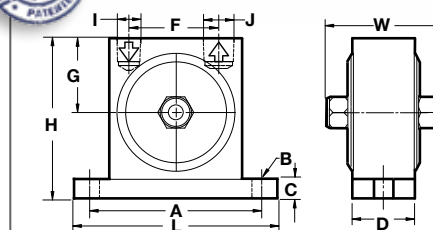


MLTSS-130  
MHISS-130



- **MLTSS SERIES** are Continuous Duty
- **MHISS SERIES** are High Speed, Fast Start, Intermittent Duty
- **MLTSS & MHISS Series Can Be Made from 2 Grades of Stainless Steel - Standard 303 or Optional 316L**
- **Ideal for Sanitary Applications Even in Harsh Chemical Environments.**
- **Optional extreme temperature version -40 to 350 F° avail.**
- **Quiet, Meets OSHA Standards**
- **No Lubrication Required**

Enhanced Strength and Easy Installation: These vibrators feature oversized bearings for added strength, durability, and extended lifespan. Their slotted mounting holes allow for easy installation on various bolt patterns. The tapped exhaust ports enable the option to pipe off the exhausting air for a clean environment, or to install a muffler for reduced noise.



With high speed sealed bearings that are pre-lubricated for life, the MLT Vibrators (like the MLTSS shown above) are virtually maintenance free.

## Dimensions

Model	L		W		H		A**		B*		C		D		F		G		I	J
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	NPT
MLTSS-130	3-1/2	89	1-7/8	48	2-1/2	64	2-3/4	70	1/4	6	1/2	13	1	25	1-7/16	37	1-1/8	29	1/8	1/4
MLTSS-190	4-1/2	114	3-3/8	86	3-3/16	81	3-1/2	89	3/8	10	5/8	16	1-13/16	46	1-15/16	49	1-1/2	38	1/4	3/8
MLTSS-320	6-3/8	162	4	102	4-1/4	108	5	127	1/2	13	13/16	21	2	51	2-13/16	71	2-1/16	52	3/8	1/2
MHISS-130	3-1/2	89	1-7/8	48	2-1/2	64	2-3/4	70	1/4	6	1/2	13	1	25	1-7/16	37	1-3/16	29	1/8	1/4
MHISS-190	4-1/2	114	3-3/8	86	3-3/16	81	3-1/2	89	3/8	10	5/8	16	1-13/16	46	1-15/16	49	1-3/4	44	1/4	3/8
MHISS-320	6	152	4	102	4-1/4	108	5	127	1/2	13	13/16	21	2	51	2-13/16	71	2-1/8	54	3/8	1/2

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

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



## Technical Data



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.
MLTSS-130	2	0.9	7,500	4.5	50	225	10,500	5.5	75	335	68	750	340
MLTSS-190	7	3.2	7,000	7.5	160	710	12,000	8.5	270	1,200	71	2,700	1,225
MLTSS-320	13	6.0	5,000	9.0	510	2,270	6,000	10.0	965	4,295	70	9,650	4,380
MHISS-130	2	0.9	17,200	4.5	200	890	21,000	5.5	300	1,340	68	3,000	1,360
MHISS-190	7	3.2	8,000	7.5	335	1,490	10,500	8.5	575	2,560	71	5,750	2,610
MHISS-320	13	6.0	7,200	9.0	675	3,000	10,000	10.0	1,300	5,780	70	13,000	5,900

\* Decibel from A-scale at 1 meter and 80 PSI

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

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

# VIBCO PNEUMATIC VIBRATORS ON THE JOB

PNEUMATIC



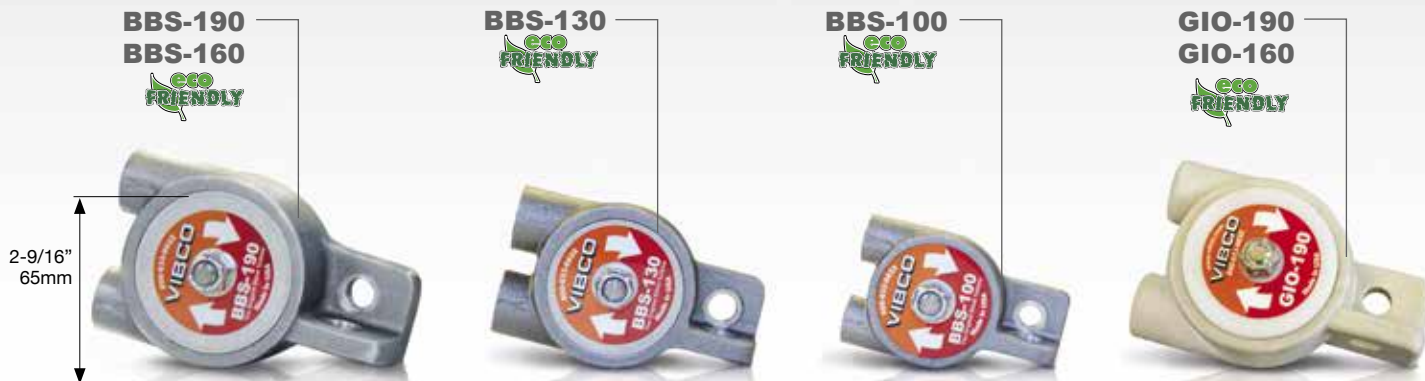
*Powering Industries: VIBCO Pneumatic Turbine Vibrators in Action! Above left: Our Model MLTSS Stainless Steel (pg. 18) ensuring smooth material flow in a manufacturing bin. Above right: Model MLT Vibrator (pg. 14-15) propelling cans effortlessly along the conveyor. Below right: VIBCO piston models (pg. 24-29) providing quick and efficient clearing for trucks, railroad cars, and hoppers (check out our railroad car shakers on pg. 58-59). Left side: Model VS (pg. 10-11) equipped with an internal muffler, tackles dusty and rough environments or maintains a pristine manufacturing setting.*

***VIBCO's pneumatic turbine vibrators are the trusted choice across diverse industries!***





# "SILENT" PNEUMATIC TURBINE VIBRATORS



## BBS & GIO SERIES

- No Lubrication Required
- Threaded exhaust port
- High Frequency - Fast Start
- Aluminum Housing for BBS Series
- Lightweight Composite, Corrosion Resistant Housing for the GIO Series

**MODEL BBS** - The BBS series consists of the BBS-100, BBS-130, BBS-160, and BBS-190 models. These vibrators are the smallest in the VIBCO turbine vibrator range, offering versatility and durability. They feature a versatile mount and a sturdy aluminum housing. Additionally, the BBS models can be ordered with a malleable casting for specific requirements. These vibrators are designed for continuous duty operation and do not require oil. Each BBS model comes with a threaded exhaust port, providing ease of installation.

**MODEL GIO** - The GIO Silent Pneumatic Turbine Vibrators are the smallest VIBCO turbine vibrators available. They are designed for applications that demand exceptional performance in challenging environments such as automotive, appliance, and construction industries. The GIO vibrators are built with an advanced composite glass-infused nylon resin housing, along with a stainless steel shaft and nut. This construction ensures excellent resistance to solvents, chemicals, and high heat. For optimal performance, VIBCO recommends using a factory-recommended filter regulator with the GIO vibrators.



Ask for Cat. #9127

The BBS, shown above, is a remarkably small 3-1/4" x 2" yet packs a punch with 10,000 vibrations per minute and a centrifugal force of 20 lbs. It is ideal for bins which are loaded with up to 200 lbs.



## Technical Data

CE II 3G 2D  
T6 85°C

SILENT TURBINE

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.
FBS-100	9.8 oz.	0.28	17,000	<2.0	30	135	—	—	—	—	66	For Match-Plates	
FBS-130	18.1 oz.	0.51	13,000	2.0	115	505	17,000	2.25	150	665	68	For Match-Plates	
FBS-160	23.9 oz.	0.68	15,000	2.25	145	655	18,000	2.50	225	1,000	68	For Match-Plates	
FBS-190	25.2 oz.	0.71	13,000	2.25	180	805	17,000	2.50	250	1,110	70	For Match-Plates	
BBS-100	5.1 oz.	0.14	10,000	<2.0	20	90	—	—	—	—	66	200	90
BBS-130	8.1 oz.	0.23	12,000	2.0	45	195	17,000	2.25	75	335	67	750	340
BBS-160	10.4 oz.	0.29	10,000	2.0	60	265	15,000	2.25	160	710	67	1,600	725
BBS-190	10.6 oz.	0.30	10,000	2.0	180	805	15,000	2.25	250	1,115	70	2,500	1,135
GIO-100	4.0 oz.	0.11	8,500	5.0	250	90	—	—	—	—	66	200	90
GIO-160	7.2 oz.	0.20	5,500	2.0	60	265	9,000	2.25	160	710	67	1,600	725
GIO-190	7.2 oz.	0.20	5,000	2.0	180	805	8,500	2.25	250	1,115	70	2,500	1,135
* Decibel from A-scale at 1 meter and 80 PSI (or maximum listed value)						NOTE: • Data obtained on laboratory test block							
** Rule of thumb for sizing: One lb. vibrator force to each 10 lbs. of bin content at 80 PSI (or maximum listed value)						• Frequency and force will decrease on less rigid mount							
						• Data subject to design changes							

\* 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 FBS, BBS & GIO SERIES

## SMALLEST OF VIBCO TURBINES

GIO-100



FBS-190

FBS-160



FBS-130



FBS-100

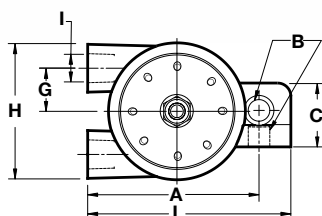


### FBS SERIES

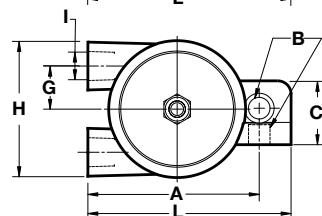
- **Whisper-Quiet Performance:** Enhanced by a Built-In Muffler
- **Swift Start Innovation:** Empowered by High-Frequency Rapid Start Technology
- **Robust Cast Iron Construction:** Ensuring Prolonged Longevity
- **Hassle-Free Maintenance:** Liberated from the Need for Lubrication



FBS



BBS &amp; GIO



- **Optimal Performance with Extended Lifespan:** Thanks to the Factory-Recommended Filter Regulator

Experience the unparalleled power, whisper-quiet operation, and unwavering reliability of the FBS today. It's the perfect choice for those seeking top notch performance and longevity in their equipment. The FBS-100, 130, 160 and 190, with built in mufflers, are designed as a match plate vibrator for the foundry industry and feature a fast start with high RPM and force and low noise with a built-in muffler. The match plate vibrators are to be used only for intermittent duty.

### Dimensions

Model	L		W		H		A**		B*		C		D		E		G		I	K	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	in.	mm
BBS-100, FBS-100 & GIO-100	3-1/4	83	1-5/8	41	2	51	2-5/8	67	5/16	8	1	25	7/8	22	15/16	24	9/16	14	1/8	5/16	8
BBS-130, FBS-130	3-11/16	93	1-7/8	48	2-1/4	57	3-3/16	81	3/8	10	1-3/16	30	1-1/8	27	1-1/8	29	5/8	16	1/4	5/16	8
BBS-160, FBS-160 & GIO-160 BBS-190, FBS-190 & GIO-190	4-1/8	105	2	51	2-9/16	65	3-9/16	90	3/8	10	1-1/4	32	1-1/4	32	1-1/4	32	15/16	24	1/4	7/16	10
* 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																

# PNEUMATIC BALL VIBRATORS



**THE BB SERIES**, left, can be equipped with a muffler on the threaded exhaust port. The threaded exhaust allows oily exhaust air to be piped away when absolute cleanliness is required. Designed for applications requiring a small to medium amount of vibration.

## VIBCO BALL VIBRATORS

- Tapped Inlet and Outlet
- High Temperature Operation Available, Consult Factory.
- Fast Start
- Bolt Patterns match Competitors

Require lubrication for long maintenance-free operation. Compressed air drives a hardened steel ball at high speeds around a highly finished and hardened steel race creating high frequency vibration. Mount VIBCO Ball Vibrator directly onto mounting plates and channels welded or bolted to the structure to be vibrated.

**THE V-LINE BALL VIBRATORS** are lowest in cost with tapped exhaust. Versatile, light & sturdy, they're made to work in adverse conditions of rain, heat, cold or dirt, and in any position. The most popular unit is the V-320, considered the work horse of the line, producing 600 lbs. at 10,000 VPM.

**THE BV SERIES** withstands continuous operation at high temperatures up to 350° by maintaining a constant low air pressure of 5 to 10 PSI through unit when not in operation. For over 350°F, consult factory. Easy to repair. The top air outlet port allows discharged air to be silenced by a muffler, or piped away from the area of operation when absolute cleanliness is required.

## Technical Data

Model	Weight***		Vibration per min.	Cubic ft. per min.	Vibration per min.	Cubic ft. per min.	Vibration per min.	Cubic ft. per min.	Centrifugal Force		Sound	Max. Weight** of Matl. in Bin Slope Area	
	lbs.	kg.	VPM*	CFM	VPM*	CFM	VPM*	CFM	lbs.	Newtons	dB*	lbs.	kg.
SERIES BB			20 PSI (1.4 Bar)		40 PSI (2.8 Bar)		60 PSI (4 Bar)				@VPM		
BB-100	8 oz.	0.23	17,000	2.0	20,000	4	24,000	6.0	55	245	75/20,000	550	250
BB-130	10 oz.	0.28	12,000	2.5	15,000	5	19,000	7.5	80	355	72/15,000	800	365
BB-160	16 oz.	0.45	11,000	3.0	13,000	6	15,000	8.0	140	625	76/13,000	1,400	635
BB-190	18 oz.	0.51	10,000	4.0	12,000	7	15,500	11.0	250	1,110	77/12,000	2,500	1,135
SERIES BV			40 PSI (2.8 Bar)		60 PSI (4 Bar)		80 PSI (5.5 Bar)				@VPM		
BV-60	8 oz.	0.23	17,000	2.0	20,000	4	24,000	6.0	55	245	75/20,000	550	250
BV-130	11 oz.	0.31	12,000	2.0	15,000	5	19,000	7.5	80	355	76/15,000	800	365
BV-190	24 oz.	0.69	12,000	6.0	14,000	10	16,000	11.0	260	1,160	77/12,000	2,600	1,180
BV-250, BV-250AL	2.8/2.0	1.30/0.9	9,200	8.0	10,500	11	11,000	13.0	380	1,690	79/9,200	3,800	1,725
BV-320	4.8	2.20	6,500	9.0	7,500	14	8,400	17.0	480	2,135	80/6,500	4,800	2,175
BV-380	6.2	2.80	5,500	10.0	6,200	15	6,500	20.0	600	2,670	82/5,500	6,000	2,720
SERIES V			40 PSI (2.8 Bar)		60 PSI (4 Bar)		80 PSI (5.5 Bar)				@VPM		
V-100	8 oz.	0.23	20,000	4.0	24,000	6	—	—	55,60 PSI	245,60 PSI	75/20,000	550,60 PSI	250,60 PSI
V-130	11 oz.	0.31	15,000	5.0	19,000	7.5	—	—	80,60 PSI	355,60 PSI	72/15,000	800,60 PSI	365,60 PSI
V-190	26 oz.	0.74	12,000	6.0	14,000	10	16,000	11.0	260	1,160	73/16,000	2,600	1,180
V-250	2.6	1.20	9,200	8.0	10,500	11	11,000	13.0	380	1,690	72/11,000	3,800	1,725
V-320	4.6	2.10	7,500	12.0	8,900	14	10,000	17.0	650	2,895	78/10,000	6,500	2,950
V-380	6.2	2.80	5,500	10.0	6,200	15	6,500	20.0	600	2,670	78/6,500	6,000	2,720

\* Decibel from A-scale at 1 meter and given VPM

\*\* Rule of thumb for sizing: One lb. vibrator force to each 10 lbs. of bin content at 80 PSI, or max. listed value)

\*\*\* First weight is cast iron housing/second weight is Aluminum housing (AL) signifies aluminum housing

NOTE: • Data obtained on laboratory test block

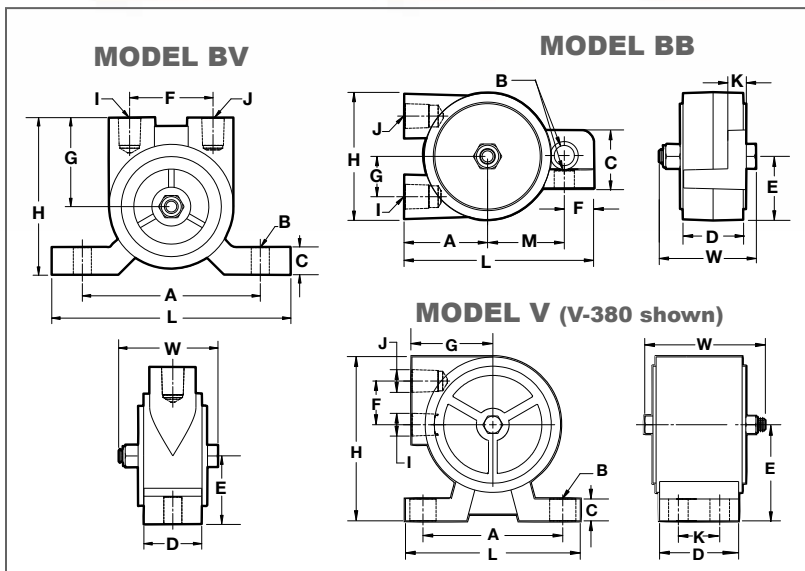
• Frequency and force will decrease on less rigid mount

• Data subject to design changes



# VIBCO BB, BV & V SERIES FAST START

PNEUMATIC



This pneumatic ball vibrator is used to keep this product line moving efficiently.

## Dimensions

Model	L		W		H		A**		B*		C		D		E		F		G		I	J	K	M		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	NPT	in.	mm	in.	mm
BB-100	3-1/4	83	1-11/16	43	2	51	1-1/4	32	5/16	8	1	25	7/8	22	15/16	24	1/2	12	9/16	14	1/8	1/8	5/16	8	1-3/8	35
BB-130	3-3/4	95	1-15/16	49	2-1/4	57	1-5/8	41	3/8	10	1-3/16	30	1-1/16	27	1-1/8	29	9/16	14	5/8	16	1/4	1/4	5/16	8	1-9/16	40
BB-160	4-1/8	105	2	51	2-9/16	65	1-3/4	44	3/8	10	1-1/4	32	1-1/4	32	1-1/4	32	3/4	19	3/4	19	1/4	1/4	3/8	10	1-13/16	46
BB-190	4-1/8	105	2	51	2-9/16	65	1-3/4	44	3/8	10	1-1/4	32	1-1/4	32	1-1/4	32	3/4	19	3/4	19	1/4	1/4	3/8	10	1-13/16	46

Model	L		W		H		A**		B*		C		D		E		F		G		I		J	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	NPT	NPT	NPT
BV-60	3-7/8	98	1-11/16	43	2-1/2	64	3	76	1/4	6	5/8	16	3/4	19	1-3/16	30	1-1/4	32	1-1/4	32	1/8	1/8	1/8	1/8
BV-130	4-7/8	124	1-15/16	49	2-3/4	70	4	102	3/8	10	3/4	19	7/8	22	1-1/4	32	1-7/16	37	1-5/16	33	1/8	1/8	1/4	1/4
BV-190	5-1/2	140	2-1/4	57	3-9/16	90	4	102	3/8	10	9/16	14	1-1/4	32	2	51	1-7/8	48	2	51	1/4	1/4	1/4	1/4
BV-250	6-3/4	171	2-7/16	62	4	102	5	127	1/2	12	7/8	22	1-5/16	33	2	51	2-3/16	56	2-1/8	54	1/4	1/4	1/4	1/4
BV-320	6-11/16	170	2-3/4	70	4-7/8	124	5	127	1/2	12	1-1/8	29	1-5/8	41	3	76	2-3/4	70	2-9/16	65	3/8	3/8	3/8	3/8
BV-380	7-7/8	200	2-15/16	75	5-3/4	146	6	152	5/8	16	1-1/8	29	2	51	2-3/4	70	2-13/16	71	3	76	3/8	3/8	3/8	3/8

Model	L		W		H		A**		B*		C		D		E		F		G		H		I	J	K	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	NPT	in.	mm
V-100	3-7/8	98	1-11/16	43	2	51	3	76	1/4	6	7/16	11	3/4	19	1	25	5/8	16	1-5/16	33	1-11/16	43	—	1/8	—	—
V-130	4-7/8	124	1-15/16	49	2-5/16	59	4	102	3/8	10	7/16	11	15/16	24	1-1/4	32	3/4	19	1-1/2	38	1-15/16	49	—	1/8	—	—
V-190	5-1/16	129	2-3/16	56	3-3/16	81	4	102	3/8	10	9/16	14	1-5/16	3	1-3/4	44	7/8	22	2	51	2-5/8	67	1/4	1/4	—	—
V-250	5-9/16	141	2-7/16	62	3-1/2	89	4	102	1/2	12	9/16	14	1-1/2	38	1-7/8	48	3/4	19	2-1/4	57	2-15/16	87	1/4	1/4	—	—
V-320	5-9/16	141	2-3/4	70	4-7/8	124	4	102	1/2	12	3/4	19	1-1/2	38	2-3/4	70	1-3/8	35	2-3/8	60	4-1/4	105	3/8	3/8	—	—
V-380	6-3/4	171	2-15/16	75	4-7/8	124	5-1/2	140	3/8	10	3/4	19	2-3/8	60	2-1/2	64	1-1/2	38	2-7/8	73	3-7/8	98	3/8	3/8	1-1/4	32

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

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

# ALL STEEL MODEL 50

## PNEUMATIC FLANGE MOUNTED PISTON



- **Exhaust Manifolds**, pg 74
- **Long Stroke Available**

### 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.

**Optional 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 or sanitary systems. To place order, use **-EM** suffix.

**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. Dust-prooers 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", also long Stroke (L) version in 2" or 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.							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

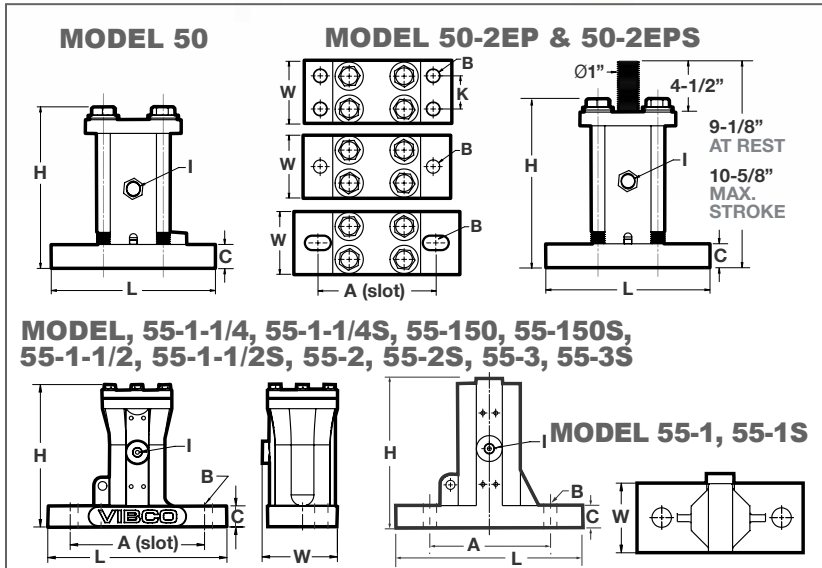
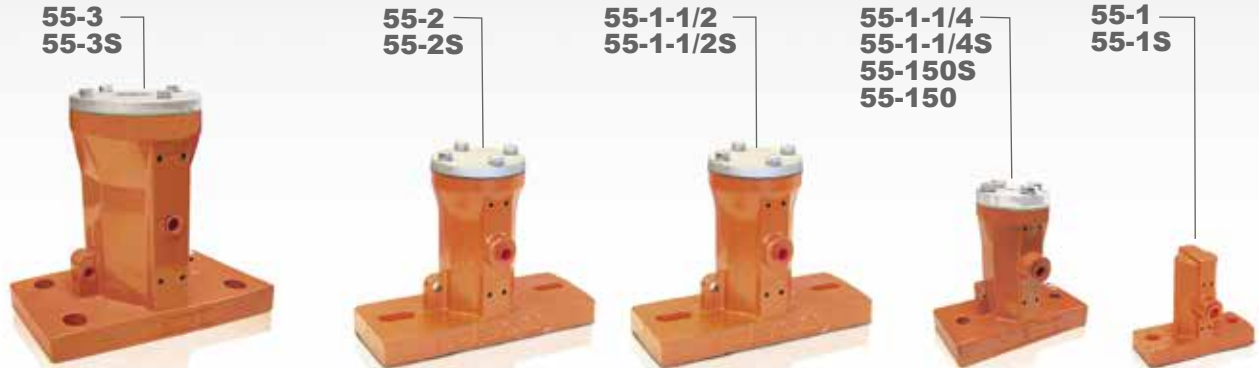
\* Rule of thumb for sizing: One lb. vibrator force to each 10 lbs. of bin content at 80 PSI

\*\* 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



Springs available for horizontal placements



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	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	in.	mm
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

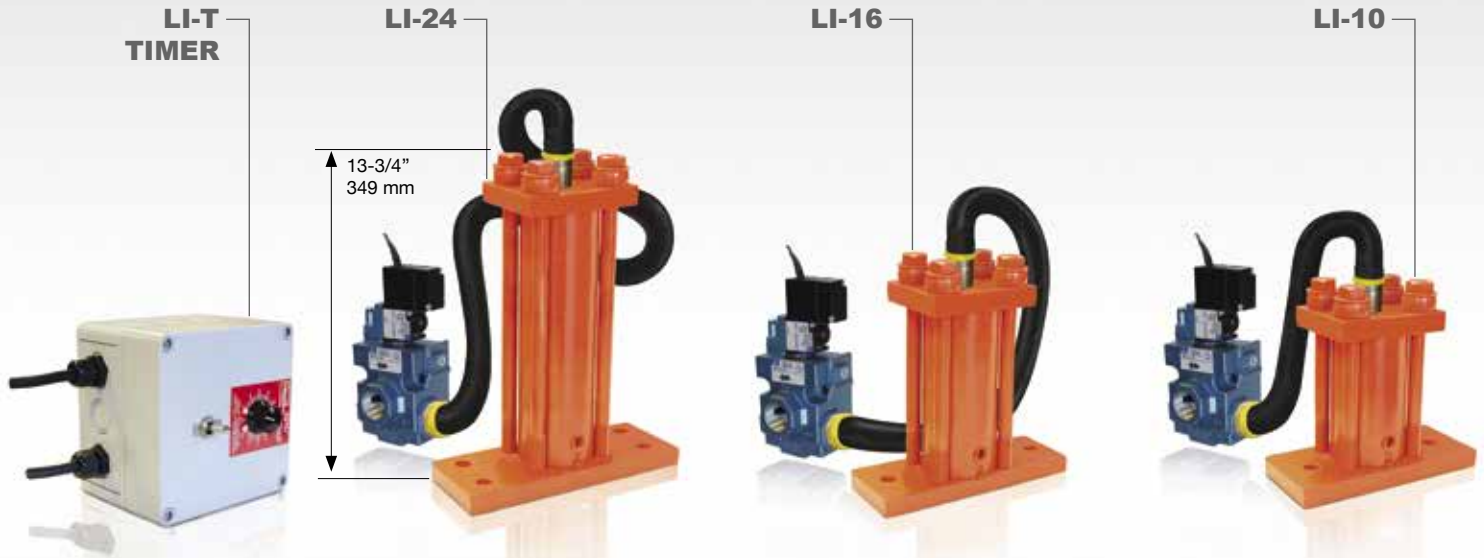
\* Max. mounting bolt diameter  
† See 50-2EP Diagram

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

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

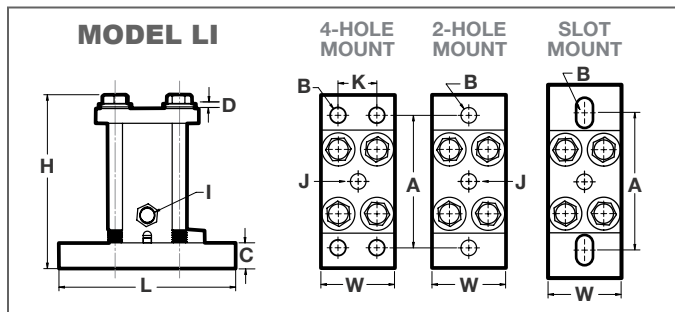


# SINGLE IMPACT MODEL LI PNEUMATIC FLANGE MOUNT PISTONS



**Model LI** is a high energy impactor with adjustable impacts which are controlled through air pressure, a timer and solenoid. Low in operating cost – used to break up material bridges and ratholes in bins, hoppers, chutes, feeders, etc. Units are shipped with plug over NPT Outlet. Remove before using. If needed, piston can be accessed from the top of the unit with removal of 4 bolts.

Optional equipment includes: Timer, solenoid, lubricator, hose assembly, recommended high flow muffler (to prevent finger injury), filter/regulator, ball valve, mounting channel, mounting hardware.



The LI Piston is used when a single impact is needed. Force and frequency adjustable by use of air pressure regulator and field adjustable timer.

## Dimensions

Model	PISTON DIA.		L		W		H		A**		B*		C		D		I	J	K	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	NPT	in.	mm
LI-10-I	1-1/4	32	6	152	2-1/2	64	8-3/4	217	4-1/2	114	1/2	13	3/4	22	3/8	10	1/2	3/8	–	–
LI-16-I	2	51	9	229	3-1/2	89	9-1/4	235	6 to 7-1/2	152	3/4	19	3/4	19	9/16	14	1/2	1/2	–	–
LI-24-I	3	76	10-1/2	267	4-1/2	114	13-9/16	344	8-7/16	214	3/4	19	1	25	3/8	10	1/2	1/2	2-1/2	64

\* Max. mounting bolt diameter

\*\* Available with larger base plate. Range of size indicates slotted mounting holes. Alternate bolt patterns available. Consult factory.

NOTE: • Material, Dimensions & Data subject to change without notice

• Dimensions  $\pm 1/16"$

• Engineered dimensional drawings available on request

## Technical Data

LI Models	Weight		80 PSI (5.5 Bar) Max.					Max. Weight* of Material in Bin Slope Area	
	lbs.	kg.	Max Pulse Rate per Minute	Cubic Ft. per Stroke	Max. Cubic ft. per Minute	Energy per Impact ft/lbs	Energy per Impact Nm	lbs.	kg.
LI-10-I	11.8	5.4	200	0.014	2.80	14	19.0	10,000	4,535
LI-16-I	23.6	10.7	160	0.019	3.04	48	65.1	20,000	9,070
LI-24-I	57.5	26.1	110	0.049	5.39	98	132.9	60,000	27,215

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

NOTE: • Data obtained on laboratory test block

• Varied air pressure will change force. Frequency is controlled by the timer

• Data subject to design changes

# MODEL MP-50, MP-62, MP-75

## END MOUNTED MINI PISTONS



- Threaded Inlet & Exhaust Port
- Air Discharge Through Exhaust Manifold
- Quiet, Meets OSHA Standards
- Steel Core Construction for Long Life
- Fits Competitive Brands

The MP Series features a lightweight aluminum body. The steel piston glides in a steel interior cylinder for long life expectancy. The MP line supplies a linear force which is particularly good for small feeder applications.

The MP Series is light in weight. It's high force to weight output makes it ideal for all type of applications in parts feeding and chemical industries.

For clean room applications, like in laboratories, the discharge port can be equipped with an air hose leading away exhaust air.

Pressure as low as 20-30 psi will operate the piston. MP units can operate in any position.

Mini Pistons require lubrication for long life.

*With it's high force to weight output, an MP unit (shown right) is perfect for feeders.*

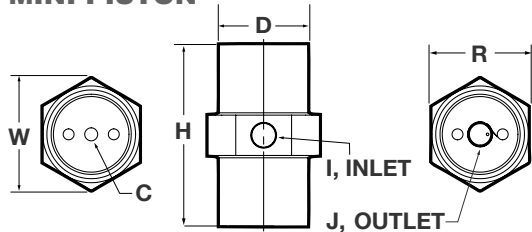


### Technical Data

Model	Weight		30 PSI (2 Bar)		60 PSI (4 Bar)		90 PSI (6.2 Bar)		Sound*
			Vibration /min.	Cubic ft./min.	Vibration /min.	Cubic ft./min.	Vibration /min.	Cubic ft./min.	
	lbs.	kg.	VPM	CFM	VPM	CFM	VPM	CFM	dB
MP-50	0.75	0.34	4000	0.02	5400	0.14	6400	0.65	50
MP-62	1.00	0.45	3400	0.15	4500	0.98	5500	1.75	55
MP-75	1.50	0.68	2600	0.20	3300	1.75	4000	3.00	65

\* Decibel from A-scale at 1 meter and 90 PSI  
 NOTE: • Data obtained on laboratory test block  
 • Varied air pressure and quality will change force. Frequency is controlled by the timer  
 • Data subject to design changes  
 • Quality of air effects longevity.

### MINI PISTON



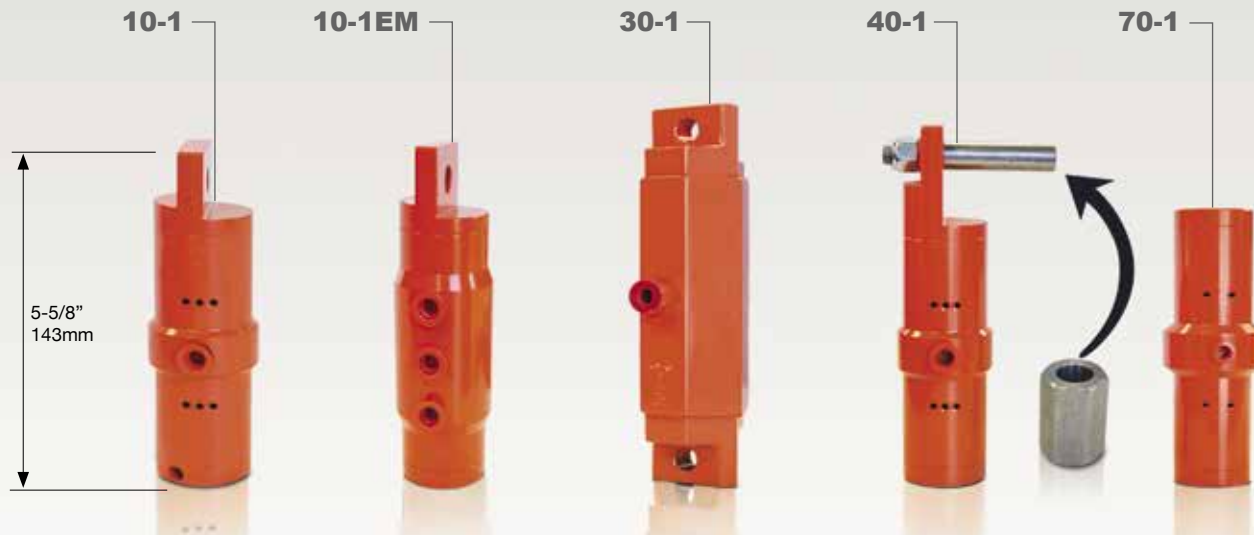
### Dimensions

Model	PISTON DIAMETER		H LENGTH		H (S)** LENGTH		H (L)** LENGTH		D DIAMETER		R HEX		W WIDTH		C MOUNT		I INLET	J* OUTLET
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	SAE	mm	NPT	NPT
MP-50	1/2	13	3-3/16	81	2-13/16	71	3-11/16	94	1-3/8	35	1-1/2	38	1-3/4	44	1/4" - 20	Metric threads available, consult VIBCO	1/8	1/4
MP-62	5/8	16	3-11/16	94	3-3/16	81	4-5/16	109	1-9/16	40	1-3/4	44	2	51	3/8" - 16		1/8	1/4
MP-75	3/4	19	4-9/16	116	3-7/8	98	5-5/16	135	1-7/8	48	2	51	2-5/16	59	1/2" - 13		1/8	1/4

\* Contact VIBCO for thread options. Metric threads available.  
 \*\* These units can also be supplied on special order with small length H(S) or longer H(L). Consult factory.

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

# PNEUMATIC END MOUNTED PISTON VIBRATOR



**MODEL 10 END MOUNTED PISTON VIBRATOR:** Single attaching head is the basic unit for foundry match plate applications. Available in 5/8, 3/4, 1, 1-1/4, & 1-1/2" piston diameter.

**MODEL 30 END MOUNTED PISTON VIBRATOR:** Double attaching head for core box machines and applications needing more vibration transfer.

**MODEL 40 END MOUNTED PISTON VIBRATOR:** Stud head vibrator ideal for easy movability on small concrete forms or bins.

**MODEL 44 WEDGE HEAD VIBRATOR:** Railroad carshakers have wedge bracket to fit railroad car's female "dove-tail" bracket. Available in 3". See page 58 and 59 for additional Railroad Carshakers.

**MODEL 70 END TAPPED VIBRATOR:** End tapped with SAE or Metric Thread for attaching to threaded rod or stud. Model 70 can be supplied in many variations; silent (air cushioned) or impacting (piston hitting end cap) with exhaust port for attaching a muffler or air hose to lead off exhausting air. The all-steel construction assures a long life. Model 70 is an inexpensive solution for moving material in small bins and hoppers as well as screens and small feeders. Force and frequency will vary with air pressure. To order, specify SAE or Metric thread; S is for Silent Units and EM is for Exhaust Manifold if required.

**MODEL 80: END MOUNTED PISTON VIBRATOR - "BIG RED":** The new revolutionary lightweight all-steel design makes it the most inexpensive unit for the big bin or hopper job, without sacrificing the quality of

the more expensive flange mounted units. The single bolt attachment makes them easy and fast to install. The "BIG RED" is supplied either with a silent (air cushioned) piston or the more powerful impacting (piston hitting end cap) standard unit.

O-rings cover the air exhaust holes keeping dust and dirt out of the piston-cylinder avoiding scoring and damage to piston and cylinder walls and allowing the units to operate in the worst environments. There are four basic models with piston sizes of 1", 1-1/4", 1-1/2" and 2". For smaller sizes see Model 70. An optional eye bolt for a safety chain can be added to unit's top.

Exhaust Manifolds are available on most units. Consult with VIBCO Engineering for more information.

## Technical Data

*All pneumatic piston vibrators require lubricated air for proper operation and long life.*

Piston Dia.	40 PSI (2.8 Bar)		60 PSI (4 Bar)		80 PSI (5.5 Bar)		Max. Weight* of Material in Bin Slope Area			
	Vibration/min.	Cubic ft./min.	Vibration/min.	Cubic ft./min.	Vibration/min.	Cubic ft./min.	lbs.		kg.	
	VPM	CFM	VPM	CFM	VPM	CFM	Min.	Max.	Min.	Max.
5/8	9,500	2.5	12,000	3.0	14,500	4.5	0	100	0	45
3/4	7,500	3.0	10,500	3.5	13,000	5.0	100	200	45	90
1	6,500	3.5	9,000	4.0	11,000	5.0	200	400	90	180
1S**	3,900	3.5	5,400	4.0	6,500	5.0	100	200	45	90
1-1/4	4,000	5.0	5,500	7.0	7,000	9.0	400	1,000	180	455
1-1/4S**	2,400	5.0	3,300	7.0	4,200	9.0	200	400	90	180
1-1/2	2,800	6.5	4,000	9.0	5,200	11.0	1,000	4,000	455	1,815
1-1/2S**	1,700	6.5	2,400	9.0	3,200	11.0	400	1,000	180	455
2	3,200	7.5	4,000	12.0	5,000	15.0	4,000	10,000	1,815	4,535
2S**	1,950	7.5	2,400	12.0	3,000	15.0	1,000	4,000	455	1,815
2L	1,600	17.5	2,000	26.0	2,400	31.0	8,000	20,000	3,630	9,070
2LS**	950	17.5	1,200	26.0	1,500	31.0	4,000	10,000	1,815	4,535
3	2,700	18.0	3,200	25.0	3,800	30.0	10,000	30,000	4,535	13,610
3S	1,650	18.0	1,950	25.0	2,300	30.0	8,000	20,000	3,630	9,070

\* 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



# MODELS 10, 30, 40, 70, 80

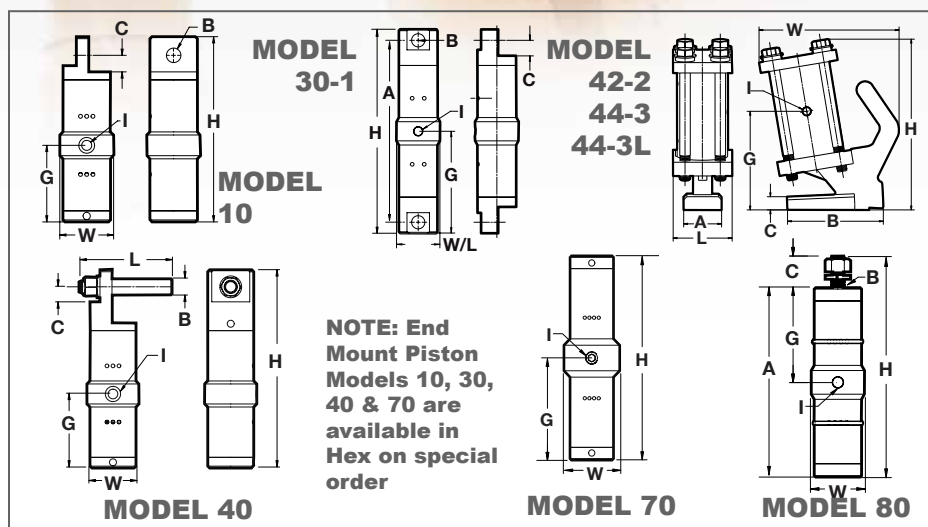
## ROUND & HEX HOUSINGS



44-3  
44-3L



42-2



Vibrators used in tandem. All pneumatic piston vibrators require lubricated air for proper operation and long life. Low draw units like these 70-1's can share an air line and still run effectively.

### Dimensions

Model	Weight		L		W		H		A		B*		C		G		I	J
	lbs.	kg.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	NPT
80 - 1	2.1	1.0	1-5/8	41	1-5/8	41	5-7/8	149	–	–	1/2-20	Metric threads available, consult VBSO	1-1/4	32	2-5/16	59	1/8	–
80 - 1-1/4	5.5	2.5	2-1/4	57	2-1/4	57	9-3/8	238	–	–	5/8-18		1-5/16	33	4	102	1/4	–
80 - 1-1/2	3.8	1.7	2-1/4	57	2-1/4	57	9-5/16	237	–	–	5/8-18		1-5/16	33	4	102	1/4	–
80 - 2	7.8	3.5	2-1/4	57	2-1/4	57	9-5/16	237	–	–	7/8-15		1-3/8	35	4	102	1/4	–
70 - 5/8	1.2	0.5	1-5/16	33	1-1/8	29	4-3/4	120	–	–	5/16-24		3/4	19	2-3/8	60	1/8	1/4**
70 - 3/4	1.8	0.8	1-5/8	41	1-3/8	35	4-3/4	120	–	–	3/8-24		7/8	22	2-3/8	60	1/8	1/4**
70 - 1	2.0	0.9	1-5/8	41	1-5/8	41	4-5/8	117	–	–	1/2- 20		5/8	16	2-3/8	60	1/8	1/4**
70 - 1-1/4	5.4	2.5	2-1/4	57	2-1/4	57	8	203	–	–	1/2- 20		5/8	16	4	102	1/4	1/4**
44-3	57.1	25.9	6	152	10	254	13	330	6	152	–		–	1	25	7-1/2	191	1/2
44-3L	68.5	21	6	152	13-1/2	34.3	15-3/4	400	6	152	–	–	1	25	9	229	1/2	–
42-2	27.1	12.3	3-1/2	89	8-3/8	213	11-1/2	292	2-1/4	57	–	–	3/4	19	6-15/16	177	1/4	–
40 - 1	1.9	0.9	2-7/8	73	1-5/8	41	6-3/16	157	–	–	1/2	13	7/16	11	2-5/16	59	1/8	–
40 - 1-1/4	6.7	3.0	6	152	2-1/4	57	9-1/2	241	–	–	1	25	7/8	22	4	102	1/4	–
30 - 5/8	1.5	0.7	1-1/4	32	1-1/8	29	6-5/16	160	5-3/8	137	5/16	8	1/2	12	3-1/8	79	1/8	–
30 - 3/4	2.2	1.0	1-1/4	32	1-1/4	32	6-5/16	160	5-3/8	136	3/8	10	1/2	12	3-3/16	81	1/8	–
30 - 1	2.3	1.0	1-7/8	48	1-5/8	41	6-9/16	167	5-3/8	162	3/8	10	1/2	12	3-1/4	83	1/8	–
30 - 1-1/4	6.2	2.8	2-5/16	59	2-1/4	57	10-1/2	267	9-1/8	232	1/2	13	3/4	19	5-1/4	133	1/4	–
30 - 1-1/2	7.5	3.4	2-1/4	57	2-1/4	57	11-3/8	289	9-1/2	241	5/8	16	7/8	22	5-3/8	137	1/4	–
10 - 5/8	1.4	0.6	1-5/16	33	1-1/4	32	5-1/2	140	–	–	5/16	8	1/2	12	–	–	1/8	–
10 - 3/4	2.1	1.0	1-5/8	41	1-5/8	41	5-1/2	140	–	–	3/8	10	1/2	12	–	–	1/8	–
10 - 1	2.1	1.0	1-7/8	48	1-7/8	48	5-5/8	143	–	–	3/8	10	1/2	12	–	–	1/8	–
10 - 1-1/4	5.8	2.6	2-5/16	59	2-5/16	59	9-1/4	235	–	–	1/2	13	11/16	18	–	–	1/4	–
10 - 1-1/2	7.0	3.2	2-15/16	75	2-1/2	64	9-11/16	246	–	–	5/8	16	7/8	22	–	–	1/4	–
* Max. mounting bolt diameter							NOTE: Material, Dimensions & Data subject to change without notice. • Dimensions +1/16"											

\* Max. mounting bolt diameter

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

# HIGH FREQUENCY PNEUMATIC CONVENTIONAL MODELS SVR, SVRF



- Can be Designed to Start in Any Position
- High Frequency, High Force
- Patented Silent Design
- Patented “Air Saver” Chamber
- Patented Wear Plates

Vibco features two models: The “SILENT” and a “conventional” High Frequency Pneumatic Vibrator.”

**HOW IT WORKS - CONVENTIONAL SVR** A rotor spins around the shaft in a circular race. The **SILENT SVRS** spin freely and silently in a circular race. Additional muffler pads in the outer End Cover dampen the noise of the exhausting air.

**CONVENTIONAL SVR** Units are simple in design and low cost with a dB reading of 95 to 110. **SILENT SVRLS** units perform with a dB reading of 80-85.

VIBCO Patented designs feature;

1. Will start **EVERY TIME** by just cracking the air line valve open. No blast of air is necessary.
2. The Patented **WEAR PLATE** between rotor and end cover is made out of spring steel and will not wear, assuring a long maintenance free operation, avoiding costly end cover repairs.



The SVRL Units shown here are being used to consolidate a concrete retaining wall. The Lug Bracket also shown, makes it an ideal solution for portability.

3. The Patented **AIR SAVER CHAMBER** does not exhaust all the compressed air before the next cycle which lowers the units air consumption.

Ask for Catalog #0103 External Walls and Columns or Catalog #8401 Handbook & Equipment Guide External Concrete Vibration.

## Technical Data

Model	Weight***		80 PSI (5.5 Bar)			90 PSI (6.2 Bar)			100 PSI (6.9 Bar)			Cubic ft. /min.	Sound*
			Vibration /min.	Centrifugal Force		Vibration /min.	Centrifugal Force		Vibration /min.	Centrifugal Force			
	lbs.	kg.	VPM	lbs.	Newtons	VPM	lbs.	Newtons	VPM	lbs.	Newtons	CFM	dB
SVRFS-2000, SVRFS-2000AL SVRWS-2000	19 20	8.62 9.07	11,500	3,600	16,000	12,500	4,000	17,800	13,500	4,400	19,500	40	78
SVRFS-4000, -4000AL, SVRLS-4000 SVR-4000	22/17.6 23	10.0/8.0 10.4	11,500	3,600	16,000	12,500	4,000	17,800	13,500	4,400	19,500	40	78 90
SVRLS-5500 SRL-5500	43 33	19.5 15.0	9,000	4,950	22,000	10,000	5,500	24,500	10,500	6,100	27,100	56	78 82
SVRLS-6500 SRL-6500	45 39	20.4 17.8	8,800	5,575	24,800	9,500	6,500	28,900	10,000	7,200	32,000	58	80 98
SVRL-6500SRLSP	39	17.8	8,200	5,500	27,500	10,000	7,700	34,500	13,000	13,000	58,000	62	98
SVRLS-8000 SVR-8000	47 51	21.3 23.1	8,500	7,625	33,900	8,700	8,000	35,600	9,500	9,550	42,500	62	82 98
SVRWS-4000	23	10.4	11,500	3,600	16,000	12,500	4,000	17,800	13,500	4,400	19,500	40	78
SVRWS-5500	60	27.5	10,000	4,950	22,000	10,000	5,500	24,500	10,500	6,100	27,100	56	82
SVRWS-6500	61	28.0	8,800	5,545	24,800	9,500	6,500	28,900	10,000	7,200	32,000	58	85

\* Decibel from A-scale at 1 meter and 90 PSI.

\*\*\* First weight is cast iron housing/second weight is Aluminum housing (AL) signifies aluminum housing

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

# SILENT MODELS SVRS

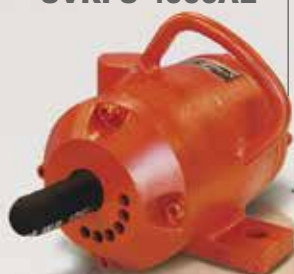
## SVRFS, SVRLS, SVRWS

SVRFS-2000  
SVRFS-2000AL  
SVRFS-4000  
SVRFS-4000AL

SVRLS-5500  
SVRLS-6500  
SVRLS-8000

SVRLS-2000  
SVRLS-4000

SVRWS-4000



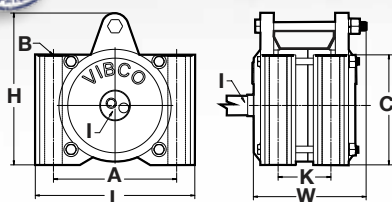
LC-1  
LUG  
BRACKET



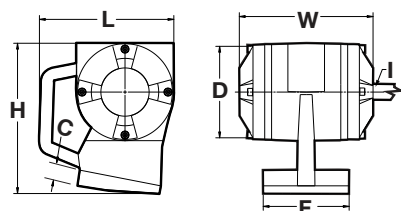
LC-2  
LUG  
BRACKET



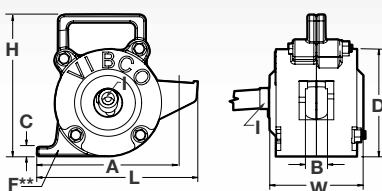
UWF 1  
or 3



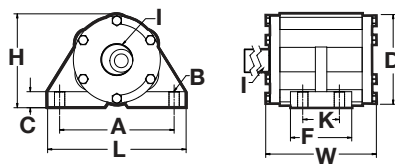
**SVR-8000**  
For Large Concrete Tables



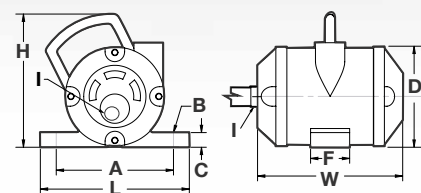
**SVRW(S)-5500 & 6500**  
Railroad Car Shaker  
(see pages 58-60)



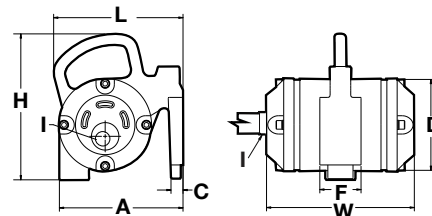
**SVRLS & SVRL**  
Pipe forms, battery molds,  
tilt tables, panels, etc.



**SVR-4000**  
Permanent Installations such as  
tables and forms and with  
clamp on brackets for portability.



**SVRF & SVRFS**  
Vibrating Tables, Tunnel Forms,  
more permanent installations



**SVRWS-4000**  
Septic Tanks, Manholes, Burial Vaults,  
Steps, Portable Concrete Vibrator

## Dimensions

Model	L		W		H		A		B*		C		D		F**		K		I
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
SVR-4000	7-1/2	191	6-1/8	156	5	127	6-1/4	159	1/2	12	7/8	22	4-7/8	124	3-7/16	87	2	51	5/8-18
SVR-5500	7	178	6-1/16	154	7-3/8	187	7	178	-	-	3/4	19	5-3/8	137	3-1/2	89	-	-	5/8-18
SVRL-5500, 6500 SVRL-6500SRLSP	9-1/2	241	6-1/8	156	9-1/4	235	8	203	1	25	3/4	19	6-1/2	165	1-1/4	32	-	-	5/8-18
SVRF-5500	10-1/4	260	6-1/8	156	8-1/8	206	8	203	3/4	19	1-1/8	29	5-3/8	137	3-1/4	83	-	-	5/8-18
SVR-8000	9-3/8	238	6-3/8	162	9	229	7	178	3/4	19	6-1/2	165	-	-	3-1/8	79	3-1/2	89	5/8-18
SVRFS-2000, -4000	7-11/16	195	7-3/8	187	7-1/8	181	6	152	11/16	17	3/4	19	5-1/8	130	2-1/16	52	-	-	5/8-18
SVRLS-2000, -4000	7	178	8	203	7-1/2	190	6	152	3/4	19	1/2	13	5	127	1-1/4	32	-	-	5/8-18
SVRLS-5500, 6500, 8000	9-1/2	241	8-1/16	205	9-1/4	235	7-3/4	197	1	25	3/4	19	6-3/8	162	1-1/4	32	-	-	5/8-18
SVRWS-4000	7-3/4	197	8-1/16	205	6-7/8	175	5-1/8	130	-	-	1	25	5-1/8	130	2-3/16	56	-	-	5/8-18
SVRW(S)-5500, 6500 Rail Road Car Shaker	8-5/8	219	8-5/8	219	9-7/8	251	11	279	-	-	1-1/8	29	6-1/8	156	5-1/2	140	-	-	5/8-18

\* Max. mounting bolt diameter  
\*\* Foot width

NOTE: • Material, Dimensions & Data subject to change without notice  
• Dimensions  $\pm 1/16"$   
• All units use a 3/4" hose with 5/8-18 SAE threads supplied by VIBCO



# HIGH FREQUENCY MODEL SVRX PNEUMATIC CONCRETE FORM VIBRATORS



- Low Cost
- Fits Every Concrete Form System on the Market Today
- Light in Weight and Easy to Move from Form to Form or Job Site to Job Site
- Compact design means less storage required when idle.
- Starts Every Time regardless of position
- Patented Wear Plates for Long Life

**MODEL SVRX** comes with mounting bracket to be welded onto the customers MEVA, PERI, DOKA form brackets or welded on permanently to form stiffeners. The SVRX was designed to fit any form bracket used by the form manufacturer. It is light weight and made an integral part of the bracket and is easy to move from position to position on the form. Their low cost makes them affordable to be permanently mounted on the form eliminating someone continually having to move them. The patented "Start every time" feature makes the unit start by just cracking the air valve. Other units on the market require a blast of air for starting. The patented "Wear plate design" assures the unit of long, maintenance free life and eliminates costly end plate repairs.

Ask for  
Catalog  
#0103

Ask for  
VIBCO's  
Concrete  
Handbook

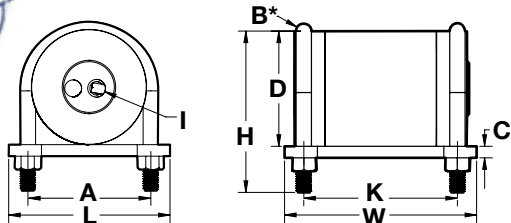


VIBCO's standard SVRX-4000 provides up to 8" of vibration penetration at 9-11000 VPM. Using 80 to 120 PSI air pressure, the SVRX 4000 produces 4000 lbs. of force. Lubrication is necessary for long life. Ask about VIBCO's in-line lubricators.

## Technical Data

Model	Weight	80 PSI (5.5 Bar)		100 PSI (6.9 Bar)		120 PSI (6.2 Bar)		Centrifugal Force	
		Vibra- tion /min.	Cubic ft. /min.	Vibra- tion /min.	Cubic ft. /min.	Vibra- tion /min.	Cubic ft. /min.		
	lbs.	kg.	VPM	CFM	VPM	CFM	VPM	CFM	
SVRX-4000	19	8.6	9,000	28	10,000	32	11,000	38	4,000 17,800

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



## Dimensions (bracket included)

Model	L		W		H		A		B*		C		D		K		Inlet I
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	SAE
SVRX-4000	5-1/4	133	6-1/4	159	5-1/4	133	4	102	1/2	13	3/8	10	3-3/4	95	5	127	5/8-18

\* Bolt Size - SAE 1/2-13

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



# HIGH FREQUENCY MODEL SVR ON THE JOB APPLICATIONS



Based on years of experience and a great engineering team, VIBCO vibrators are a proven resource. They are designed for harsh concrete construction environments for columns, walls, slabs, foundations, or precast. Below, our **Model SVRFS** (page 30-31) with **Stik-It™ Mount** (page 61) is being used for bridge repair in RI, and at left, mounted onto a concrete column form. Above, our **SVRWS** (page 30-31) is being used with a **UWF bracket** for excellent transfer of vibration. VIBCO has brackets that will work well with any concrete form including wood.





# VIBCO PNEUMATIC & HYDRAULIC FORCES TO 3500 LBS.



- Air & Hydraulic
- Forces to 3500 lbs.
- Continuous Duty

- Speeds from 5600 to 9000 VPM
- Adjustable Speed
- Foot & Clamp Mount

## HYDRAULIC & PNEUMATIC

**PF-3500 & BIG BUSTER PC-3500** (Pneumatic), **HF-3500 & HC-3500** (Hydraulic)

A patented vibration isolating coupling is mounted between the eccentric shaft and the motor drive shaft eliminating any vibration transfer through the shaft. Another vibration isolating coupling is connected between the vibrator housing and the motor housing eliminating all vibration transfer.

**Advantages** - With this unique patented design, premature failure of the drive unit is eliminated, and the full life can be expected, which will drastically add to the unit life and eliminate costly shutdowns and maintenance costs. The unit can now truly be used continuously which is the BIG advantage over competitive units.

**General Features** - Big Buster vibrators provide high force at low frequency. They are designed for continuous duty. All models are available in pneumatic or hydraulic drive. Big Buster units are designed with sealed bearings. Airline lubrication is required for the air motor vanes.

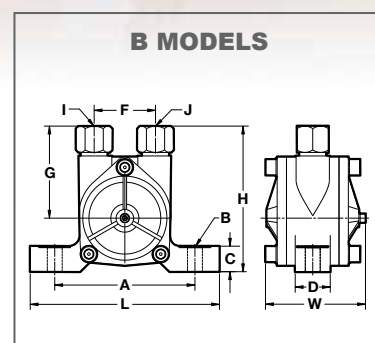
**Where to Use?** - These units are ideal for the toughest applications from unloading railroad cars to moving materials in bins and hoppers. Precise speed control allows "tuning" of the vibrator for best results in any application. Big Busters are available in clamp on base for portability and bolt-on base for permanent mounting.

**HYDRAULIC** - VIBCO's hydraulic vibrators operate in any position and are not affected by dirty, muddy or wet locations. They can operate on pressures up to 3000 PSI making them ideal to use with construction equipment for a variety of applications.

**MODEL HLF & HL** (Hydraulic) The small version of the Big Buster HF-Units are equipped with an internal coupling to maximize the life of the hydraulic motor. These small and powerful high speed 9000 RPM vibrators offer an inexpensive

solution to many material handling problems. HL 3000 same design as the HF - fits LC-1 Lug Bracket. Creates 3000 lbs. force at 4000 RPM - ideal for concrete applications.

**MODEL B - PATENTED** (Hydraulic) In VIBCO's patented design, hydraulic fluid drives a specially designed & patented turbine wheel producing high frequency vibration with noise levels as low as 60-62 dB at maximum speed. A real low cost unit ideal for O.E.M. equipment.



## Technical Data

Pneumatic Models	Weight		60 PSI (4 Bar)			
			Vibration per min.	Cubic ft. per min.	Centrifugal Force	
	lbs.***	kg.	VPM	CFM	lbs.	Newtons
PF-800	37	17.0	4,000	11	800	3,560
PF-1200	38	17.4	3,500	21	1,200	5,340
PF-1500	60	27.0	3,500	31	1,500	6,670
PF-PC-3500L	71	32.2	3,500	39	3,500	15,570
PLF-3500	40	18.1	5,400	45	5,600	17,000

NOTE: Data obtained on laboratory test block • Data subject to design changes • Frequency & force will vary with air quality, unit lubrication, & mount rigidity  
\*\*\* First weight is cast iron housing/second weight is Aluminum housing (AL) signifies aluminum housing

Hydraulic Models	Weight		600 PSI (41.4 Bar)				800 PSI (55.2 Bar)				1000 PSI (69 Bar)			
			Vibration /min.	Gallon /min.	Centrifugal Force		Vibration /min.	Gallon /min.	Centrifugal Force		Vibration /min.	Gallon /min.	Centrifugal Force	
	lbs.	kg.	max VPM	GPM	lbs.	Newtons	max VPM	GPM	lbs.	Newtons	max VPM	GPM	lbs.	Newtons
B-190	1.0	0.45	4,600	4.5	190	890	6,100	4.8	330	80	7,400	6.5	286	1,272
B-250	2.0	0.91	4,200	4.5	280	1,245	5,000	4.5	400	1,765	5,800	6.5	535	2,375
B-320	3.5	1.60	3,700	5.0	300	1,340	4,500	6.0	445	1,980	5,300	7.0	615	2,745

Hydraulic Models	Weight		Avg. Pressure	Vibration/min.	Gallon/min.	Centrifugal Force	Sound*	
	lbs.	kg.	PSI	max VPM	GPM	lbs.	Newtons	dB
HF-800	37	17.0	600	5,000	3.2	1,300	5,785	72
HF-1200	38	17.4	800	4,500	2.9	1,900	8,450	74
HF-1500	39	17.7	900	4,000	2.6	2,000	8,900	76
HF-HC-3500	51	23.0	1,200	3,500	2.4	3,500	15,570	80
HL-3000	39	17.7	1,000	5,000	3.2	3,400	15,125	76
HLF-700	14	6.5	900	9,000	2.8	700	3,115	72
HLF-1300	20	9.0	1,000	9,000	2.8	1,300	5,785	72
HLF-1750	30	14.0	1,000	5,000	2.6	2,300	10,230	72
HLF-3500	35	16.0	1,200	4,000	2.5	3,500	15,570	72
HLF-5000	41	18.6	1,500	4,000	2.5	4,500	20,020	72

\* Decibel from A-scale at 1 meter & avg. PSI (or max. listed value)

NOTE: • Data obtained on laboratory test block • Data subject to design changes  
• Frequency & force will decrease on less rigid mount • Max pressure 3,000 PSI



# MODEL B, HL, PF, PLF, PC, HLF, HF, HC

**HL-3000 (Hydraulic)**  
**PL-3000 (Pneumatic)**



**HLF-1300 (Hydraulic)**



**HLF-700 (Hydraulic)**



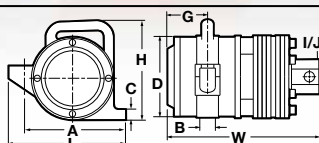
**B-190, B-250, B-320 (Hydraulic)**



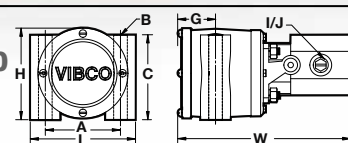
**(Hydraulic) Check Valve (by others)**



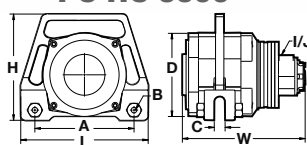
**MODEL HL-3000**



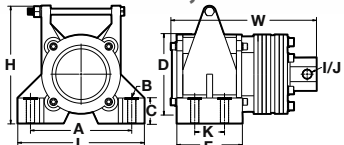
**MODEL HLF-700 HLF-1300**



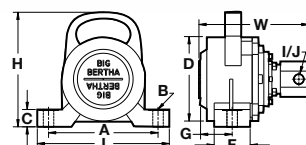
**MODEL PC-HC PC-HC-3500**



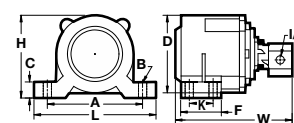
**MODEL PF-3500, HF-3500†**



**MODEL HLF-1750†, 3500†**



**HLF-5000 HYDRA BERTHA†**



## Dimensions

I\* (inlet) & J\* (exhaust)

Model	L		W		H		A		B*		C		D		F		G		I* & J*	K	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	in.	mm
PF-800, 1200, 1500	10-3/8	264	11-1/4	286	8-3/4	222	8-1/2	216	3/4	19	1-3/8	35	6-1/2	165	2-13/16	71	8-1/2	216	1/2	–	–
PF-3500	10-3/4	273	12-5/8	321	9-1/4	235	8-1/2	216	5/8	16	1-3/8	35	6-5/8	168	4-1/8	105	–	–	1/2	2-1/2	64
PC-3500	12-1/2	318	12-1/4	311	10-3/4	273	10	254	1-1/4	32	1-3/16	30	6-1/2	165	–	–	–	–	1/2	–	–
PLF-3500	10-3/8	264	9-1/2	241	8-3/4	223	8-1/2	216	3/4	19	1-3/8	35	6-1/2	165	2-13/16	71	5-3/8	137	–	–	–
* Max. mounting bolt diameter	† See page 48 for more information on Big Bertha units. †† PF, HF-800, -1200, & -1500 use compression rings not shown in dimensional drawings.														NOTE: Material, dimensions and data subject to change without notice • Dimensions ±1/16"						

\* Max. mounting bolt diameter

† See page 48 for more information on Big Bertha units.

†† PF, HF-800, -1200, & -1500 use compression rings not shown in dimensional drawings.

NOTE: Material, dimensions and data subject to change without notice • Dimensions ±1/16"

Model	L		W		H		A		B*		C		D		F		G		I* & J*	K	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	in.	mm
B-190	5-1/4	133	3-1/8	79	4-5/8	117	4	102	3/8	104	3/4	19	2-1/2	64	1-13/16	46	3	76	3/8	-	-
B-250	6-3/4	171	3-5/8	92	5-3/8	137	5	127	1/2	13	1	25	3	76	2-1/4	57	3-3/8	86	1/2	-	-
B-320	6-7/8	175	3-5/8	92	5-7/8	149	5	127	1/2	13	1-1/8	29	3-1/2	89	2-5/8	67	3-5/8	92	1/2	-	-
* Max. mounting bolt diameter				† See page 48 for more information on Big Bertha units.								NOTE: Material, dimensions and data subject to change without notice • Dimensions ±1/16"									

\* Max. mounting bolt diameter

† See page 48 for more information on Big Bertha units.

NOTE: Material, dimensions and data subject to change without notice • Dimensions ±1/16"

Model	L		W		H		A		B*		C		D		F		G		I* & J*		K	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	SAE	in.	mm	
HF-800, 1200, 1500	10-3/8	264	11-1/4	286	8-3/4	222	8-1/2	216	3/4	19	1-3/8	35	6-1/2	165	2-13/16	71	8-1/2	216	3/4-16	-	-	
HF-3500	10-3/4	273	12-5/8	321	9-1/4	235	8-1/2	216	5/8	16	1-3/8	35	6-5/8	168	4-1/8	105	-	-	3/4-16	2-1/2	64	
HC-3500	12-1/2	318	12-1/4	311	10-3/4	273	10	254	1-1/4	32	1-3/16	30	6-1/2	165	-	-	-	-	3/4-16	-	-	
HLF-700	5	127	7	178	4-1/2	114	3-1/2	89	1/2	13	3-7/8	98	-	-	-	-	2-1/2	64	9/16-18	-	-	
HLF-1300	5-3/4	146	7-5/8	194	5	127	4-1/2	114	1/2	13	5	127	-	-	-	-	2-1/2	64	9/16-18	-	-	
HL-3000	9-1/2	241	11-1/4	286	9-1/4	235	7-3/4	197	1	25	3/4	19	6-1/4	159	-	-	3-1/8	79	3/4-16	-	-	
HLF-1750 †	10-1/4	260	8-9/16	217	9	229	8-1/2	216	3/4	19	1-3/8	35	6-1/2	165	2-13/16	71	5-3/8	137	3/4-16	-	-	
HLF-3500 †	10-1/4	260	8-9/16	217	9	229	8-1/2	216	3/4	19	1-3/8	35	6-1/2	165	2-13/16	71	5-3/8	137	3/4-16	-	-	
HLF-5000 †	10-1/4	260	8-9/16	217	7	178	8	203	3/4	19	1-3/8	35	6-1/2	165	3-5/8	92	-	-	3/4-16	2	51	
* Max. mounting bolt diameter		† See page 48 for more information on Big Bertha units. †† PF HF-800, -1200, & -1500 use compression rings not shown in dimensional drawings.														NOTE: Material, Dimensions & Data subject to change without notice • Dimensions ±1/16"						

\* Max. mounting bolt diameter

† See page 48 for more information on Big Bertha units.

†† PF, HF-800, -1200, & -1500 use compression rings not shown in dimensional drawings.

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

# ELECTRIC VIBRATORS ON THE JOB APPLICATIONS



A hopper of sand flows seamlessly onto a conveyor belt with vibration from a **US-450** vibrator (see page 46-47). Vibco recommends you follow their manuals (which are put into the box with each order) for proper mounting or consult the factory and use our VVV, Virtual Van Visit™, and mount it right!



**SAFETY CABLES** (at top of unit) should always be used to prevent injury. Mount one end to the vibrator and one to the hopper or bin **above** the vibrator.



A **SCR unit** (page 38-39) installed on this hopper offers adjustable speed and force with heavy duty and continuous operation.



Several **Model 2PX** explosion proof units (page 52) are used on these twin surge bins.

# ELECTRIC VIBRATOR SECTION

## ADJUSTABLE SPEED & FORCE .....pages 38-39



- ▶ **SCR-1000** Handles up to 10,000 lbs. in bin slope area
- ▶ **SCR-500** 500 maximum centrifugal force
- ▶ **SCR-400** 400 maximum centrifugal force
- ▶ **SCRW-400** Watertight, 400 maximum centrifugal force
- ▶ **SCR-300** 300 maximum centrifugal force
- ▶ **SCR-200** The SCR-100, -200 & -300 are rated 68 dB
- ▶ **SCR-100** 100 maximum centrifugal force
- ▶ **SCR-60** Watertight, -AL Aluminum, -CI Cast Iron, -PL Advanced Composites
- ▶ **SCR-50** Weighs just 8 lbs., 50 lbs. maximum centrifugal force

## SMALL IMPACT MODEL SPR, SPRT & SPWT .....pages 40-41



- ▶ **SPR** Fan Cooled - Available in a Heavy Duty (HD) Model
- ▶ **SPRT** Totally Enclosed
- ▶ **SPWT** Watertight

## HEAVY DUTY ELECTRIC, ADJUSTABLE ECCENTRICS .....pages 42-45



- ▶ **2P Series** 3600 Vibrations per minute, max force 5,600 lbs
- ▶ **4P Series** 1800 Vibrations per minute, max force 10,000 lbs
- ▶ **6P Series** 1200 Vibrations per minute, max force 4,500 lbs
- ▶ **8P Series** 900 Vibrations per minute, max force 2,500 lbs

## ADJUSTABLE SPEED & FORCE - MODEL US & DC.....pages 46-47



- ▶ **US Series** 115 Volt Plug In
- ▶ **DC Series** 12 Volt Battery

## BIG BERTHA DUMP TRUCK VIBRATOR .....pages 48-50



- ▶ **Big Bertha** DC-3500, Electric Model
- ▶ **XL Bertha** DC-5000, Electric Model
- ▶ **Hydra Bertha** HLF-1750, HLF-3500, HLF-5000, Hydraulic Models
- ▶ **Air Bertha** 55-2, 55-3 Pneumatic Models

**HEAVY DUTY SMALL IMPACT MODEL SFC.....** page 51

**EXPLOSION PROOF MODELS 2PX, 4PX, FOR HAZARDOUS LOCATIONS .....** page 52

**CORROSIVE ENVIRONMENT ELECTRIC MODEL CE.....** page 53



# HEAVY DUTY ELECTRICAL ADJUSTABLE SPEED & FORCE



- Adjustable Force
- Easy Speed Dial Control (Constant or Variable)
- Totally Enclosed, Quiet Electric Motor
- 0-4000 RPM
- 115V Plug-In & 230V Single Phase

Another first by VIBCO – A noiseless, heavy duty electric vibrator that can be force and speed adjusted while running. Unlike old-fashioned, noisy electro-magnetic vibrators, this newly developed silent motor vibrator can meet even the most stringent OSHA anti-noise pollution requirements.

**MODEL SCR** consists of a rugged, permanent magnet DC motor, and SCR control, which is composed of a solid state, full wave rectifier and overload protection. The control is mounted on the cord and plugs into standard 115-volt AC current. Also available is a 230 volt single phase model. No special wiring or circuitry is needed. Accurate and reliable performances throughout the full speed range. Totally enclosed, non-vented housing makes the **SCR ideal for use inside or outside in dusty or damp (not wet) locations.** Easy to adjust eccentric settings give additional adjustability. SCR units are not continuous duty rated at all eccentric settings.

Ask for  
Catalog  
#0104  
Electric  
Vibrators



## Technical Data

Model	Weight***		Max. Centrifugal Force		Electric Motor Specs.			Vibrations per Minute				Sound*	Max. Weight** of Material in Bin Slope Area	
	lbs.	kg.	lbs.	Newtons	Volt †	Amp.	Phase	Cont. Duty		Int. Duty				
								Min.	Max.	Min.	Max.	dB	lbs.	kg.
SCR-50	8	3.6	50	220	115/230	1.3	1	950	2,500	2,500	4,000	71	500	230
SCR-60 ‡	5/8/11	2.3/3.6/5	60	265	115/230	1.3	1	950	2,500	2,500	4,000	68	600	270
SCR-100	11	5.0	100	445	115/230	1.3	1	950	2,500	2,500	4,000	68	1,000	450
SCR-200	16	7.3	200	890	115/230	1.5	1	950	2,500	2,500	4,000	68	2,000	910
SCR-300	16	7.3	300	1,335	115/230	1.7	1	950	2,500	2,500	4,000	70	3,000	1,360
SCRW-400 ‡	12	5.4	400	1,780	115/230	1.7	1	950	2,500	2,500	4,000	70	4,000	1,815
SCR-400	16	7.3	400	1,780	115/230	2.0	1	950	2,500	2,500	4,000	70	4,000	1,815
SCR-500	43	19.5	500	2,225	115/230	3.5	1	950	2,500	2,500	4,000	70	5,000	2,270
SCR-1000	58	26.0	1,000	4,450	115/230	6.5	1	950	2,500	2,500	4,000	72	10,000	4,535
* Decibel from A scale at 1 meter							‡ Watertight		NOTE: • Data obtained on laboratory test block					
** Rule of thumb for sizing: One lb. vibrator force to each 10 lbs. of bin content							† 50 or 60 Hz		• Frequency and force will decrease on less rigid mount.					
*** Weight in Composite Housing / Aluminum Housing / Cast Iron									• Data subject to design changes					

\* Decibel from A scale at 1 meter

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

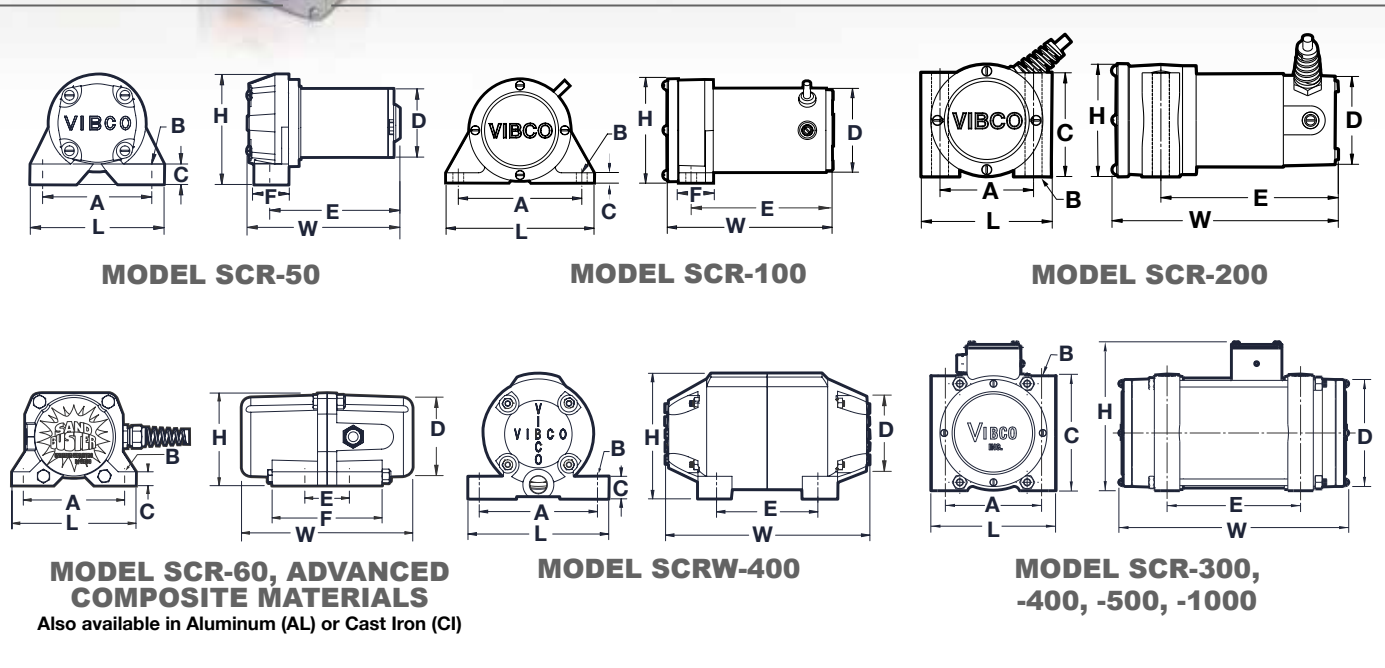
\*\*\* Weight in Composite Housing / Aluminum Housing / Cast Iron

‡ Watertight  
† 50 or 60 Hz

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

# MODEL SCR

ELECTRIC



## Dimensions

Model	L		W		H		A		B*		C		D		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
SCR-50	5	127	5-5/8	143	3-3/4	95	4	102	3/8	10	3/4	19	3	76	4-11/16	119	1	25
SCR-60PL	4-3/8	111	6-1/8	156	3-1/4	83	3-5/8	92	5/16	8	3/8	10	3-1/4	83	1-1/2	38	4	102
SCR-60AL	4-3/8	111	6-1/8	156	3-1/4	83	3-5/8	92	5/16	8	3/8	10	3-1/4	83	1-1/2	38	2-1/2	64
SCR-60CI	4-3/8	111	6-1/8	156	3-1/4	83	3-5/8	92	5/16	8	3/8	10	3-1/4	83	1-1/2	38	2-7/16	62
SCR-100	6	152	6-3/4	171	4-1/4	108	5	127	3/8	10	1/2	13	3-3/8	86	5-11/16	144	1-3/8	35
SCR-200	4-9/32	109	7-7/8	200	4-5/8	117	3-1/2	89	5/8	16	3-3/4	95	3-7/32	82	6-1/2	165	—	—
SCR-300	4-1/8	105	8-3/4	222	4-5/8	117	3-1/16	78	3/8	10	3-5/8	92	3-5/8	92	5-11/16	144	—	—
SCRW-400	6-1/4	159	9	229	5-1/2	140	5-1/4	133	7/16	11	1-1/16	27	5	127	4-1/2	114	—	—
SCR-400	4-1/8	105	9	229	4-5/8	117	3	76	3/8	10	3-5/8	92	3-9/16	90	5-11/16	144	—	—
SCR-500	5-3/4	146	13-7/16	319	6-3/4	171	4-1/2	114	1/2	13	5	127	4-1/2	114	8-15/16	227	—	—
SCR-1000	6-1/2	165	14-1/4	362	7-1/2	191	5	127	5/8	16	6-1/16	154	6	152	9-3/8	238	—	—

\* Max. mounting bolt diameter

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

# VIBCO SMALL IMPACT STANDARD AND HEAVY DUTY (HD)

**SPRT-60HD  
SPRT-80HD**  
(Totally Enclosed)



**SPR-60HD  
SPR-80HD**  
(Fan Cooled)



**SPRT-60  
SPRT-80**  
(Fan Cooled)



**SPR-40  
SPR-60  
SPR-80**

(Fan Cooled)

4-1/2"  
108mm

- **Compact**
- **Quiet Electric Motor**
- **Lightweight**
- **Continuous Duty**
- **Partially Adjustable Models**

**SPR & SPRT Units  
are UL Listed**



**MODEL SPR, SPRT, and SPWT** electric motor vibrators are specially developed for the thousands of applications where only a small force is necessary, but big vibrator reliability is a must. For activating small hoppers, screens, chutes, tables, filling machines, etc. Controlled flow is obtained on all types of materials, including fine powders, flakes, pills, bottle caps and jars, etc.

There is limited speed control on most models with simple rheostats or speed adjusters. If you desire a wide range of speed control, see our SCR series. Completely noiseless operation (no more sound than a fan motor) makes these vibrators desirable in applications where noise is irritating or fatiguing for the employee. Most units available in 230 volt single phase 50/60 Hz. Rugged construction permits continuous or repeated start and stop operation in any position.

SPR-60HD, SPR-80HD and SPRT-60HD, SPRT-80HD are heavy duty units with oversized bearing and cast aluminum end bell for extra long life. For custom performance and for harsh environments, SPR 20, 21, 40, 60 and 80 can be ordered.



*Above: Efficiency in Motion: Our Model SPWT ensures seamless flow of cans on this conveyor, unhampered and uninterrupted. Reach out to VIBCO for customized mounting solutions tailored to your specific needs.*

## Technical Data

Model	Weight***		Force Impact		Electric Motor Specs.			Vibrations per min.	Housing	Speed Option	Sound*	Max. Weight** of Material in Bin Slope Area	
	lbs.	kg.	lbs.	N	Voltage	Amps.	Phase	VPM	Enclosure	Adjustable	dB	lbs.	kg.
SPR-10	3	1.4	8	36	115	.4	1	1,600	Open	Yes	45	80	36
SPR-20	3	1.4	15	65	115	.4	1	1,600	Open	Yes	45	150	70
SPR-21	3	4.1	20	90	115/230	.7/.32	1	3,200	Open	Yes	48	200	90
SPR-40	7	3.2	25	110	115	1.12	1	1,600	TEFC = Tot. Encl. & Fan Cooled	Yes	45	250	115
SPR-60, 60HD	6.5/7.3	2.9/3.3	60	265	115/230	1.27/.64	1	3,200		Partly†	48	600	270
SPR-80, 80HD	6.5/7.3	2.9/3.3	80	355	115/230	1.36/.64	1	3,200	Tot. Encl.	Partly†	50	800	365
SPRT-21	3	1.4	20	90	115/230	0.6/.24	1	3,200		Yes	45	200	90
SPRT-60, 60HD	5/5.5	2.3/2.5	60	265	115/230	0.6/.24	1	3,200	Tot. Encl.	Partly†	48	600	270
SPRT-80, 80HD	5/5.5	2.3/2.5	80	355	115/230	0.6/.24	1	3,200	Tot. Encl.	Partly†	50	800	365
SPWT-21A	7	3.2	20	90	115/230	0.7/.32	1	3,200	Watertight	Yes	50	200	90
SPWT-60A	7	3.2	60	265	115/230	0.7/.32	1	3,200	Watertight	Yes	50	600	270
SPWT-80A	7	3.2	80	355	115/230	0.7/.32	1	3,200	Watertight	Yes	50	800	365

\* Decibel from A scale at 1 meter

\*\* Rule of thumb: One lb. vibrator force to each 10 lbs. of bin content

\*\*\* First figure is Standard housing & second is HD housing

† Does not provide full range of speeds from 1-100

†† Available in 50 & 60 Cycles

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



# MODEL SPR SPRT AND SPWT

**SPR-21**  
(Fan Cooled)  




**SPRT-21**  
(Totally Enclosed)  




**SPR-10**  
**SPR-20**  
(Fan Cooled)  

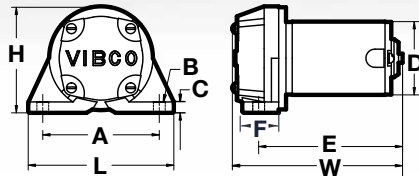



**SPWT-21**  
**SPWT-60**  
**SPWT-80**  
  

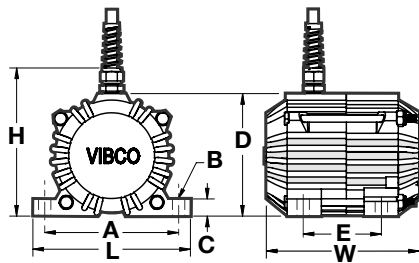



**ELECTRIC**

**MODEL SPR,  
SPRT**



**MODEL SPWT**



Above: A Model SPWT keeps bottles moving without obstruction on this conveyor. Contact VIBCO for optimal mounting in your specific problem areas.

## Dimensions

Model	L		W		H		A		B*		C		D		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
SPR-10, 20	4-7/8	124	4-7/8	124	4	102	4	102	3/8	10	3/4	19	3-7/8	94	4	102	1	25
SPR-21	4-7/8	124	5	127	4	102	4	102	3/8	10	3/4	19	3-7/8	98	4-1/8	105	1	25
SPR-40	6	152	6-3/8	162	4-1/4	108	5	127	3/8	10	1/2	13	4	102	5-1/4	133	1-5/16	33
SPR-60, 60HD	6	152	7	178	4-1/4	108	5	127	3/8	10	1/2	13	4	102	5-7/8	149	1-5/16	33
SPR-80, 80HD	6	152	7	178	4-1/4	108	5	127	3/8	10	1/2	13	4	102	5-7/8	149	1-5/16	33
SPRT-21	6	152	5-1/2	140	4-1/4	108	4	102	3/8	10	9/16	14	3-7/8	98	4-1/8	105	1	25
SPRT-60, 60HD	6	152	6-3/8	162	4-1/4	108	5	127	3/8	10	9/16	14	4-5/16	110	5-5/16	135	1-5/16	33
SPRT-80, 80HD	6	152	6-3/8	162	4-1/4	108	5	127	3/8	10	9/16	14	4-5/16	110	5-5/16	135	1-5/16	33
SPWT-21A	5-3/4	146	5-7/16	138	4-1/4	108	4-3/4	121	3/8	10	9/16	14	4-5/16	110	2-3/4	70	—	—
SPWT-60A	5-3/4	146	5-7/16	138	4-1/4	108	4-3/4	121	3/8	10	9/16	14	4-5/16	110	2-3/4	70	—	—
SPWT-80A	5-3/4	146	5-7/16	138	4-1/4	108	4-3/4	121	3/8	10	9/16	14	4-5/16	110	2-3/4	70	—	—

\* Max. mounting bolt diameter

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

# HEAVY DUTY ELECTRIC ADJUSTABLE ECCENTRICS

2P-800, 2P-800AL, 2P-1700, 2P-2500,  
2P-3500

2P-450, 2P-450AL  
2P-600\*\*\*\*

2P-200  
2P-200AL

1 Phase  
Switch Box

8-1/2"  
216mm

AL IS  
ECO  
FRIENDLY

Cord lengths  
vary. Contact  
VIBCO for more info.

- Totally Enclosed
- Indoor/Outdoor Use
- New Improved Motor
- Constant or Variable



- Adjustable Eccentrics
- Single and 3 Phase
- Call for High Temperature Models

Single Phase Units come complete with on-off switch, capacitor & overload protection.

## Introducing VIBCO 2P Models - The Ultimate Versatile Vibrators!

**2P Models** - Our 2P Models with 3600 rpm are the most popular and versatile vibrators, suitable for all types of bins with fine to granular materials, packing coarse materials, and casting concrete. From small bins to large silos, our heavy-duty vibrators, including 2P, 4P, 6P, and 8P units, solve various vibration problems and speed up bulk material flow.

**Model 2PCD** is designed to cross-over metric and European style vibrators with foot print dimensions that match most models. Comparable force outputs allow the 2PCD to be installed directly to your existing mount. The 2PCD models are totally enclosed, rated for continuous duty and completely noiseless.

**Model 2P-100SCR** comes with a new, improved motor, offering constant or variable speed/frequency options for unmatched flexibility in various applications. Safety hooks (eye-bolts) supplied by others.



Efficiency at its finest: With dual units in action, this pipeline ensures a seamless and consistent material flow.

## Technical Data

Model	Weight***				Electric Motor Specs.						Centrifugal Force						Sound*	Max. Weight** of Material in Bin Slope Area	
					Motor	1 Phase		3 Phase		Power									
	1 Phase		3 Phase		Phase	Amperes at Volt ††			h.p.	Min.		Norm		Max.					
lbs.	kg.	lbs.	kg.	Phase	115/230	230/460	575	h.p.	lbs.	Newtons	lbs.	Newtons	lbs.	Newtons	dB	lbs.	kg.		
3600 VIBRATIONS PER MINUTE — 2 POLE																			
2P-75	12	5	12	5	1 & 3	0.8/0.5	0.5/0.25	—	1/5	50	220	75	335	100	445	60	1,000	455	
2P-100	12	5	12	5	1 & 3	0.8/0.5	0.5/0.25	—	1/5	100	445	150	665	175	780	63	1,750	795	
2P-150	26	12	25	11	1 & 3	1.3/0.7	0.6/0.3	—	1/4	130	580	175	780	250	1,110	63	2,500	1,135	
2P-150-1SCR	26	12	26	12	1	1.8	—	—	1/5	130	580	115	780	250	1,110	63	2,500	1,135	
2P-200, 2P-200AL	35/27.8	16/13	33/26	15/12	1 & 3	3.6/1.8	1.0/0.5	0.30	1/3	180	800	325	1,445	400	1,780	62	4,000	1,815	
2P-450, 2P-450AL	61/45	28/21	54/39	25/18	1 & 3	4.8/2.4	1/0.5	0.40	1/2	100	445	680	3,025	1,100	4,895	64	11,000	4,990	
2P-600****	65	30	60	27	1 & 3	5/1.5	1.2/0.6	0.50	1/2	550	2,445	900	4,005	1,660	7,385	65	16,600	7,545	
2P-800, 2P-800AL	85/64	39/29	72/58	33/26	1 & 3	8/4	2/1	0.80	3/4	100	445	1,000	4,450	1,750	7,785	70	17,500	7,940	
2P-1700	90	41	90	41	3	—	3/1.5	1.10	1-1/2	600	2,670	1,500	6,670	2,500	11,120	72	25,000	11,340	
2P-2500	105	48	105	48	3	—	5/2.5	2.00	2	500	2,225	1,650	7,340	3,000	13,345	73	30,000	13,610	
2P-3500†	105	48	105	48	3	—	5/2.5	2.00	2	500	2,225	1,650	7,340	3,000	13,345	75	30,000	13,610	
2P-4500†	110	50	110	50	3	—	5/2.5	2.00	2	2,200	9,785	3,450	15,345	5,000	22,240	76	50,000	22,680	
2P-5500†	220	100	220	100	3	—	8/4	3.20	3	500	2,225	3,300	14,680	5,600	24,910	72	56,000	25,400	
2PCD-200	14	6.5	11	5	1 & 3	0.8/0.5	1/0.25	—	1/5	172	705	225	1000	315	1400	60	3,150	1,430	
2PCD-650	44	20	39	18	1 & 3	3.6/0.8	1/0.5	0.3	1/3	50	225	410	1825	705	3135	62	7,050	3,205	
2PCD-1050	63	29	55	25	1 & 3	5.0/2.5	1/0.5	0.4	1/2	50	225	640	2850	1090	4850	64	10,900	4,955	
* Decibel from A scale at 1 meter									† Consult factory for availability.					NOTE: • Data obtained on laboratory test block • Frequency & force will decrease on less rigid mount. • Data subject to design changes					
** Rule of thumb: One lb. vibrator force to each 10 lbs. of bin content									†† Most vibrators available in both 50 & 60 Cycles 115 to 575 volt										
*** First weight is cast iron housing/second weight is Aluminum,(AL) signifies aluminum housing																			
**** Intermittent Duty Only - max run time 30 minutes per hour																			

\* Decibel from A scale at 1 meter

\*\* Rule of thumb: One lb. vibrator force to each 10 lbs. of bin content

\*\*\* First weight is cast iron housing/second weight is Aluminum (AL) signifies aluminum housing

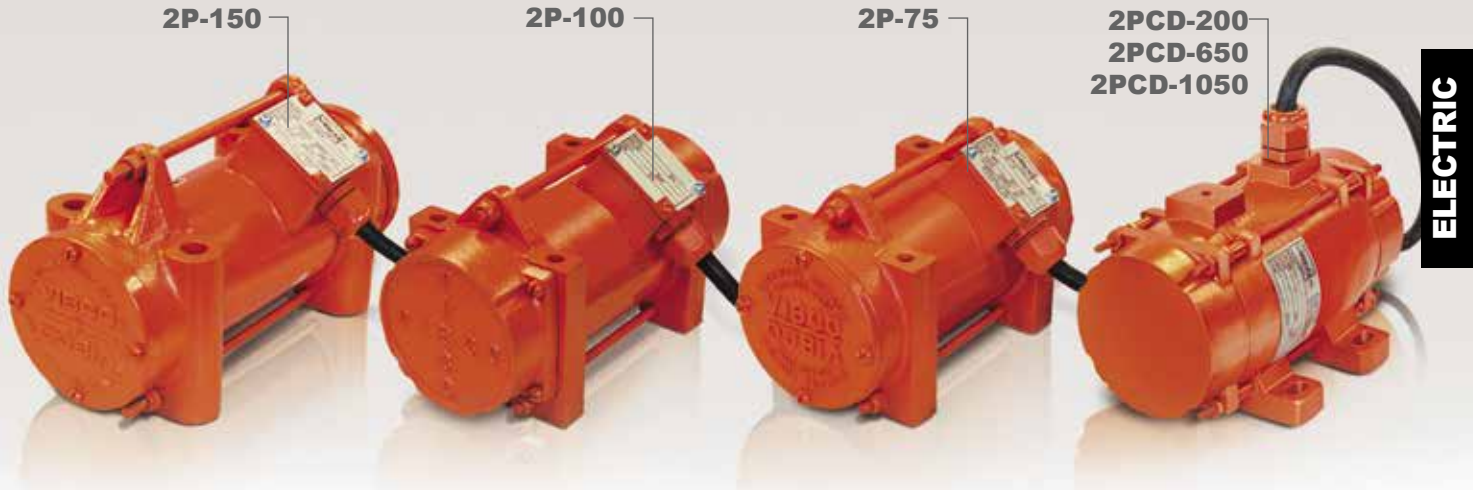
\*\*\*\* Intermittent Duty Only - max run time 30 minutes per hour

† Consult factory for availability.

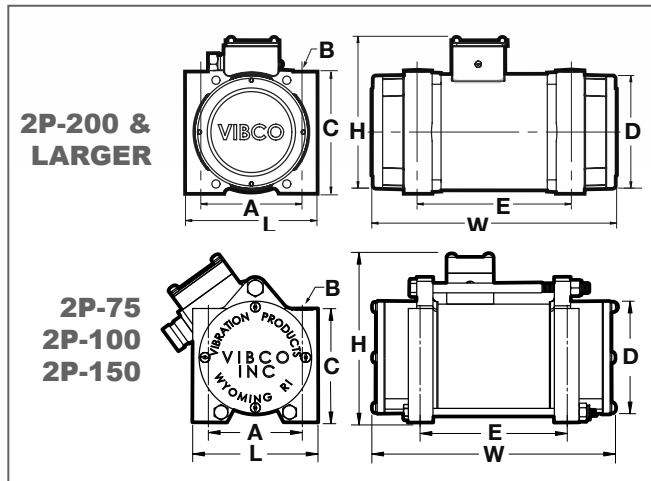
†† Most vibrators available in both 50 & 60 Cycles 115 to 575 volt

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

# MODEL 2P ROTARY, 3600 RPM



See page 74 for more information on available control boxes.



Revolutionary 2P unit efficiently restores sand, making it eco-friendly for all applications!

## Dimensions

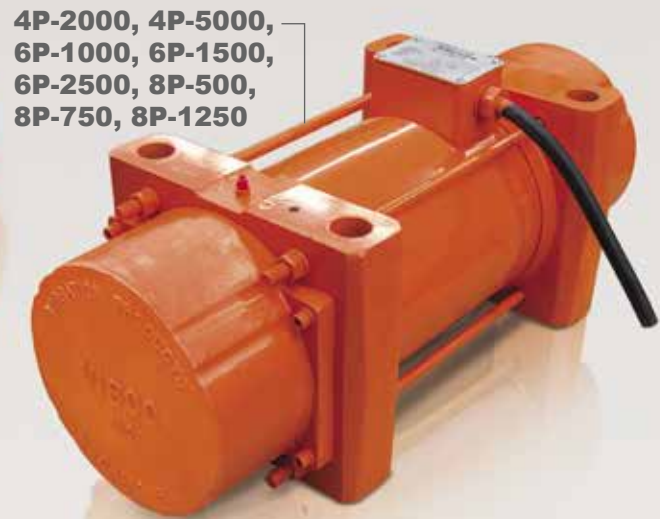
Model		L		W		H		A		B*		C		D		E	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2P-75		4-1/8	105	7-7/8	200	5	127	3	76	5/16	8	4-1/8	105	3-9/16	90	4-3/4	121
2P-100		4-1/8	105	8-3/16	208	5	127	3	76	5/16	8	4-1/8	105	3-9/16	90	4-3/4	121
2P-150		4-7/8	124	10-3/4	273	6-1/4	159	3-1/2	89	1/2	13	4-1/4	108	4	102	6-1/2	165
2P-150-1SCR		4-7/8	124	11-3/16	284	6	152	3-1/2	89	1/2	13	4-1/8	105	4	102	6-1/2	165
2P-200		5-3/4	146	11-1/2	292	6-3/4	171	4-1/2	114	1/2	13	5	127	5	127	7	178
2P-450	1 Phase	6-1/2	165	13-1/2	343	7-1/2	191	5	127	5/8	16	6	152	6	152	8-3/8	213
	3 Phase	6-1/2	165	12-3/8	314	7-1/2	191	5	127	5/8	16	6	152	6	152	7-5/8	194
2P-600	1 Phase	6-1/2	165	13-1/2	343	7-1/2	191	5	127	5/8	16	6	152	6	152	8-3/8	213
	3 Phase	6-1/2	165	12-3/8	314	7-1/2	191	5	127	5/8	16	6	152	6	152	7-5/8	194
2P-800	1 Phase	7-1/2	191	15-1/4	387	8-1/2	216	5-1/2	140	5/8	16	7	178	7	178	9-5/8	244
	3 Phase	7-1/2	191	14-3/8	365	8-1/2	216	5-1/2	140	5/8	16	7	178	7	178	8-5/8	219
2P-1700		7-1/2	191	16-1/2	419	8-1/2	216	5-1/2	140	5/8	16	7	178	7	178	10-13/16	259
2P-2500, 2P-3500		7-1/2	191	17-1/2	445	8-1/2	216	5-1/2	140	5/8	16	7	178	7	178	11-5/8	295
2P-4500		7-1/2	191	18-1/2	470	8-1/2	216	5-1/2	140	5/8	16	7	178	7	178	11-5/8	295
2P-5500		10-1/4	260	22-1/4	565	10-1/2	267	7-7/8	200	1	25	8-7/8	225	8-7/8	225	12-13/16	325
2PCD-200		5	127	7-15/16	202	5-1/2	140	4-11/64	106	5/16	8	5/8	16	—	—	2-7/16 - 2-15/16	62-74
2PCD-650		6-1/4	159	11-5/8	295	7	178	4-59/64 - 5-1/2	125-140	1/2	13	1-1/8	29	—	—	3-17/32	90
2PCD-1050		7	178	12-5/8	321	8-3/4	222	5-1/2	140	1/2	13	1-3/8	35	—	—	4-1/8	105

\* Max. mounting bolt diameter

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



# HEAVY DUTY ELECTRIC 1800, 1200 & 900 RPM



- **Totally Enclosed**
- **For Indoor or Outdoor Use**
- **Adjustable Eccentrics**  
1800, 1200 & 900 RPM
- **Single and 3 Phase**
- **Quiet Electric Motor**
- **Force Adjusted Mechanically**
- **Call for High Temp. Units**



Experience unmatched performance with VIBCO's exceptional range of heavy-duty vibrators designed to tackle any vibration problem you may encounter. From enhancing the flow of bulk materials through even the tiniest bins, hoppers, and chutes to optimizing operations in the largest silos, our vibrators are here to make a significant difference. You can also pack materials in drums and bags, consolidate materials in pipe, and use in precast and prestressed industries and for tables (above), screens and screeds.

## Technical Data

Model	Weight***				Electric Motor Specs.						Centrifugal Force						Sound*	Max. Weight** of Material in Bin Slope Area	
					Motor	1 Phase		3 Phase		Power									
	1 Phase		3 Phase			Amperes at Volt ††					Min.		Norm		Max.				
	lbs.	kg.	lbs.	kg.	Phase	115/230	230/460	575	h.p.	lbs.	Newtons	lbs.	Newtons	lbs.	Newtons	dB	lbs.	kg.	
1800 VIBRATIONS PER MINUTE — 4 POLE																			
4P-350, 4P-350AL	43/31	20/14	37/26	17/12	1 & 3	3.3/2.5	0.8/0.4	0.3	1/4	50	220	100	445	200	890	60	2,000	910	
4P-600, 4P-600AL	50/38	23/17	44/32	20/15	1 & 3	3.3/2.5	0.8/0.4	0.3	3/8	150	665	250	1,110	400	1,780	60	4,000	1,815	
4P-700, 4P-700AL	63/46	29/21	57/40	26/18	1 & 3	5.8/2.9	1/0.5	0.5	1/2	100	445	300	1,335	500	2,225	63	5,000	2,270	
4P-1000, 4P-1000AL	69/52	31/24	63/46	29/21	1 & 3	5.5/2.8	1/0.5	0.5	1/2	250	1,110	500	2,225	800	3,560	63	8,000	3,630	
4P-1400, 4P-1400AL	106/78	48/35	100/72	45/33	1† & 3	12.0/6.0	3.5/1.8	1.6	1	400	1,780	700	3,115	1,100	4,895	70	11,000	4,990	
4P-2000, 4P-2000AL	—	—	98	45	3	—	4/2	1.6	1-1/2	750	3,335	1,100	4,895	1,500	6,670	72	15,000	6,805	
4P-3000	—	—	200	91	3	—	5.5/2.7	2.2	2-1/2	1,500	6,670	2,200	9,785	3,000	13,345	74	30,000	13,610	
4P-5000	—	—	225	102	3	—	5.5/2.7	2.2	3	1,550	6,895	3,900	17,345	4,500	20,015	75	45,000	20,410	
4P-10000	—	—	460	209	3	—	10/5	4.0	5	4,560	20,285	8,000	35,585	10,000	44,480	76	100,000	45,360	
1200 VIBRATIONS PER MINUTE — 6 POLE																			
6P-300, 6P-300AL	63/46	29/21	57/40	26/18	1 & 3	3.9/1.9	0.8/0.4	0.5	1/4	50	220	125	555	250	1,110	60	2,500	1,135	
6P-500	62	28	58	26	1 & 3	4.0/2.0	0.9/0.4	0.5	1/4	100	445	200	890	400	1,780	60	4,000	1,815	
6P-1000	98	45	98	45	3	—	4/2	1.6	1	350	1,555	450	2,000	700	3,115	72	7,000	3,175	
6P-1500	200	91	200	91	3	—	5/2.2	1.8	1-1/2	700	3,115	1,000	4,450	1,500	6,670	74	15,000	6,805	
6P-2500	225	102	225	102	3	—	5/2.2	1.8	2	700	3,115	1,250	5,560	2,000	8,895	75	20,000	9,070	
6P-5000	460	209	460	209	3	—	10/5	4.0	3	2,000	8,895	3,000	13,345	4,500	20,015	76	45,000	20,410	
900 VIBRATIONS PER MINUTE — 8 POLE																			
8P-500	98	45	98	45	3	—	3.4/1.7	1.6	1/4	180	800	250	1,110	400	1,780	65	4,000	1,815	
8P-750	200	91	200	91	3	—	4/2	1.5	1/4	400	1,780	575	2,560	800	3,560	74	8,000	3,630	
8P-1250	225	102	225	102	3	—	4/2	1.5	1	400	1,780	700	3,115	1,250	5,560	75	12,500	5,670	
8P-2500	460	209	460	209	3	—	10/5	4.0	1-1/2	1,150	5,115	1,800	8,010	2,500	11,120	76	25,000	11,340	
* Decibel from A scale at 1 meter									† Consult factory for availability.				NOTE: • Data obtained on laboratory test block • Frequency & force will decrease on less rigid mount. • Data subject to design changes						
** Rule of thumb: One lb. vibrator force to each 10 lbs. of bin content									†† Most vibrators available in both										
*** First weight is cast iron housing/second weight is Aluminum,(AL) signifies aluminum housing									50 & 60 Cycles 115 to 575 volt										

# MODEL 4P, 6P, 8P ADJUSTABLE ECCENTRICS

4P-1000  
4P-1000AL  
6P-500  
AL IS  
ECO  
FRIENDLY

AL IS  
ECO  
FRIENDLY

4P-700  
4P-700AL  
6P-300  
6P-300AL



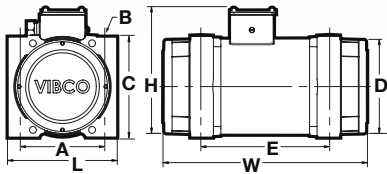
ELECTRIC

(right) Ensuring Seamless Movement, this state-of-the-art 6P unit, ingeniously positioned on a live bottom bin, guarantees a consistently smooth material flow, powering its uninterrupted progress!

(left) Unleash the power of VIBCO's Heavy-Duty Vibrators - Perfectly integrated into our Vibrating Tables!



4P, 6P, and 8P



## Dimensions

Model	L		W		H		A		B*		C		D		E	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
4P-350	5-3/4	146	11-1/2	292	6-3/4	171	4-1/2	114	1/2	13	5	127	5	127	7	178
4P-600	5-3/4	146	13	330	6-3/4	171	4-1/2	114	1/2	13	5	127	5	127	7-7/8	200
4P-700, 6P-300	6-1/2	165	13-1/8	333	7-1/2	191	5	127	5/8	16	6	152	6	152	8-3/8	213
4P-1000, 6P-500	6-1/2	165	15-1/2	394	7-5/8	194	5	127	5/8	16	6	152	6	152	8-3/8	213
4P-1400	7-1/2	191	16-1/2	419	8-1/2	216	5-1/2	140	5/8	16	7	178	7	178	10-13/16	259
4P-2000, 6P-1000 and 8P-500	7-1/2	191	18	457	8-1/2	216	5-1/2	140	5/8	16	7	178	7	178	10-13/16	275
4P-3000, 6P-1500 and 8P-750	10-1/2	267	24	610	10-1/2	267	7-7/8	200	1	25	8-3/4	222	8-7/8	225	12-13/16	325
4P-5000, 6P-2500 and 8P-1250	10-1/2	267	24	610	10-1/2	267	7-7/8	200	1	25	8-3/4	222	8-7/8	225	12-13/16	325
4P-10000, 6P-5000 and 8P-2500	15-5/8	397	29-3/4	756	13	330	12-5/8	321	1-1/4	32	2	51	10-3/4	273	15-1/2	394

\* Max. mounting bolt diameter

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

# VIBCO HIGH FREQUENCY ADJUSTABLE SPEED



- Rugged, High Speed
- Ideal for All Concrete Work
- Speed Adjustable
- US Model, 115-Volt Plug-In
- DC Model, 12 Volt Battery

**VIBCO'S MODEL US** High Frequency line are 115 volt single phase motors with low amperage draw. They can be plugged into any light outlet or operated from field generators. All units are speed adjustable with rheostat or electronic speed controls. US-900 and 1600 have adjustable eccentrics. The US line is, due to the high frequency, rated for intermittent operation. 230 volt available on most models. Consult factory.

**VIBCO'S MODEL DC** 12 Volt Battery operated units are ideal for field and mobile operations. They clean and aid flow of material from bins and chutes, and insure fast dumping of trucks, highway equipment, fertilizer trailers, ready mix trucks, spreaders and concrete pumps. 24 volt DC available, consult factory.

Accessory wiring kits are available for DC units (excluding DC-3500 and DC-5000 which come with their own kits). They contain necessary wires, switches and terminals for proper installation of your vibrator.

*Right: Enhancing Efficiency & Safety: VIBCO Adjustable Electric Vibrators in Action! From optimizing bulk material flow in bins, hoppers, and chutes to packing drums and bags, consolidating concrete, and ensuring roadway safety in freezing winter conditions with the DC-60 SandBlaster™, our vibrators tackle diverse challenges seamlessly!*



## Technical Data

Model	Weight***		Force		Electric Motor Specs.			Max. Speed	Sound	Cycle
	lbs.	kg.	lbs.	Newtons	Amperage	Volts**	Phase	VPM	dB*	Duty Cycle
US-100	7.0	3.2	100	445	2.0 / 1.0	115/230 AC-DC	1	10,000	78	Int.
US-450T	12.5	5.7	450	2,000	3.0 / 1.5	115/230 AC-DC	1	9,000	80	Int.
US-700, US-700AL	14.5/10	6.6/4.5	700	3,115	3.5 / 1.8	115/230 AC-DC	1	8,000	80	Int.
US-900, US-900AL	22.0/14	10.0/6.4	900	4,005	4.5 / 2.3	115/230 AC-DC	1	10,000	85	Int.
US-1600, US-1600AL	26.0/22	11.8/10	1,600	7,120	5 / 2.5	115/230 AC-DC	1	9,000	85	Int.
DC-20	3.5	1.6	20	90	3.0 / 1.5	12/24 DC	—	4,000	68	Cont.
DC-50	3.5	1.6	50	225	3.0 / 1.5	12/24 DC	—	4,000	71	Cont.
DC-60	4.2	1.9	60	265	3.0 / 1.5	12/24 DC	—	4,000	68	Cont.
DC-100	4.0	0.8	100	445	12 / 6.0	12/24 DC	—	4,000	72	Cont.
DC-200	12.1	5.5	300	1,335	14 / 7	12/24 DC	—	4,000	73	Cont.
DC-300	13.0	5.9	350	1,555	16 / 8	12/24 DC	—	4,000	74	Cont.
DC-450T	12.5	5.7	400	1,780	22 / 11	12/24 DC	—	7,000	75	Int.
DC-450CD	12.5	5.7	400	1,780	16/8	12/24 DC	—	4,000	74	Cont.
DC-500	14.7	6.7	450	2,005	16 / 8	12/24 DC	—	4,000	73	Cont.
DC-700	14.5	6.6	700	3,115	25 / 13	12/24 DC	—	6,000	75	Int.
DC-900	22.0	10.0	600	2,670	30 / 15	12/24 DC	—	6,000	78	Special
DC-1600	26.0	11.8	1,000	4,450	32 / 16	12/24 DC	—	5,000	82	Special
DC-3500	34.7	15.7	3,500	15,570	60 / 60	12/24 DC	—	4,000	70	Special
DC-5000	40.0	18.1	5,000	22,240	70 / 70	12/24 DC	—	4,000	72	Special

\* Decibel from A scale at 1 meter

\*\* AC-DC vibrators available in both 50 & 60 Cycle

\*\*\* First weight is cast iron housing/second weight is Aluminum (AL) signifies aluminum housing

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



# MODEL US 115V AC AND DC 12V OR 24V ELECTRIC

DC-500  
eco  
FRIENDLY  
WATER  
TIGHT

US-450T  
DC-450T  
DC-450CD

DC-200

US-100  
DC-100  
eco  
FRIENDLY

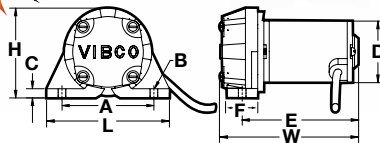
DC-60  
eco  
FRIENDLY  
WATER  
TIGHT

DC-50  
eco  
FRIENDLY

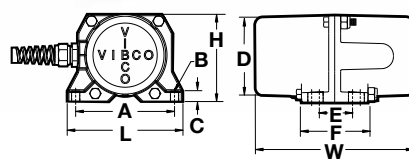
ELECTRIC



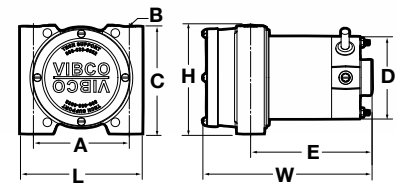
DC-20, DC-50,  
US & DC-100



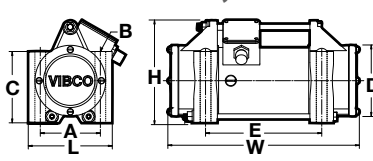
DC-60 COMPOSITE MAT'L,  
Also available in Aluminum (AL) or Cast Iron (CI)



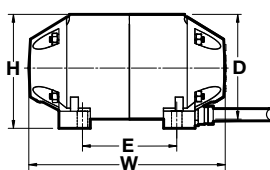
US & DC-450T & 700, DC-450CD



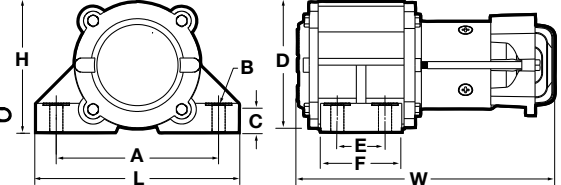
DC-200, DC-300,  
US & DC-900, & 1600



DC-500



XL BERTHA, DC-5000 (DC-3500\*)



\* See page 48 for DC-3500 Dimensional Drawing.

## Dimensions

Model	L		W		H		A		B*		C		D		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
US-100	6-1/16	154	7-1/8	181	4-5/16	110	5	127	3/8	10	9/16	14	3-1/16	78	5-7/16	149	1-3/8	35
US-450T	4-7/8	124	8-1/4	210	4-3/16	106	3-1/2	89	5/8	16	11/16	17	3-3/4	95	3-7/8	98	—	—
US-700	5-5/8	143	7-3/4	197	4-9/16	116	4-1/2	114	1/2	12	1/2	13	5	127	5-1/8	130	—	—
US-900	4-15/16	125	9-3/4	248	6-1/8	156	3-1/2	89	1/2	12	1/2	13	4	102	6-3/4	171	—	—
US-1600	5-5/8	143	11-1/8	283	6-1/4	159	4-9/16	116	1/2	12	5-9/16	181	4-9/16	116	6-15/16	176	—	—
US-1600AL	5-5/8	143	11-1/8	283	6-1/4	159	4-9/16	116	1/2	12	5-9/16	181	4-9/16	116	6-15/16	176	—	—
DC-20	4-15/16	125	5-5/8	143	3-13/16	97	4	102	3/8	10	11/16	17	2-1/2	64	4-3/4	121	1	25
DC-50	4-15/16	125	5-5/8	143	3-9/32	83	3-5/8	92	3/8	10	11/16	17	2-1/2	64	4-3/4	121	1	25
DC-60	5	127	6-1/16	154	3-9/32	83	3-5/8	92	1/4	6	1/2	13	3	76	1-11/16	43	4	102
DC-100	6-13/16	173	6-1/16	154	4-1/4	108	5	127	3/8	10	1/2	13	3-7/16	87	5-3/4	146	1-3/8	35
DC-200	4-1/16	103	8-5/8	219	4-5/8	117	3	76	5/16	8	5-9/16	141	3-5/8	92	5-11/16	144	—	—
DC-300	4-1/16	103	9	229	5-1/16	129	3	76	5/16	8	5-3/4	146	3-1/2	89	5-11/16	144	—	—
DC-450T	4-7/8	124	8-1/4	210	4-3/16	106	3-1/2	89	1/2	12	3-15/16	100	3-3/4	95	6-1/2	165	—	—
DC-450CD	4-7/8	124	9	229	4-3/16	106	3-1/2	89	1/2	12	3-15/16	100	3-3/4	95	7-1/4	184	—	—
DC-500	6-1/4	159	8-7/8	225	5-5/8	143	5-1/4	133	7/16	11	1-1/16	27	4-5/8	117	4-9/16	116	—	—
DC-700	5-5/8	143	7-3/4	197	4-9/16	116	4-1/2	114	1/2	12	5	127	5	127	5-11/16	144	—	—
DC-900	4-15/16	125	9-3/4	248	6-1/8	156	3-1/2	89	5/8	16	6-3/4	171	4	102	6-3/4	171	—	—
DC-1600	5-5/8	143	11-1/8	283	6-1/4	159	4-1/2	114	1/2	12	7-1/8	181	4-9/16	116	7	178	—	—
DC-3500	10-1/8	157	11-1/2	292	9-1/16	230	8-1/2	216	3/4	20	1-5/16	33	6-1/4	159	—	—	2-7/8	73
DC-5000	10-1/8	157	13	330	7-1/8	180	8	203	5/8	16	1-7/8	48	6-1/2	165	2	51	3-3/8	86

\* Max. mounting bolt diameter

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

# BERTHA DUMP TRUCK

## BERTHA POWER OPTIONS

Ask for VIBCO's  
Big Bertha  
Catalog #0101



- Costs less than a Truck Tire
- Same Day Shipment
- Increases Daily Payload & Profit

### DON'T LEAVE YOUR PROFITS STUCK IN THE TRUCK!

Say goodbye to the days of struggling with tough materials and risking workplace injuries caused by manual labor. With VIBCO vibrators, you have the ultimate solution to handle even the most challenging materials effortlessly. From hot asphalt to clay, fertilizer dredging material to bottom ash, and wet loam, our vibrators are engineered to get the job done, no matter the material. Safety is our top priority, which is why we eliminate the need for crew members to climb into slippery dump bodies, risking their safety to shovel out damp or hot material - our powerful vibrations do the heavy lifting. By utilizing VIBCO vibrators, you can now dump materials at a lower angle, significantly reducing the risk of roll-overs and relieving stress on the hoist piston. No more wasted time or resources. Our kits come complete with everything you need for easy wiring and mounting, including a circuit breaker - all provided at no extra charge. Join countless satisfied customers who have already experienced the advantages of VIBCO vibrators. Maximize your productivity, minimize risks, and unlock trapped profits that once stayed within your truck. Experience the VIBCO difference today and see how vibrating the toughest materials loose has never been easier or safer.



**XL BERTHA™**



**HYDRA BERTHA™**



**AIR BERTHA™**



### BERTHA Technical Data

<b>BIG BERTHA™</b> Electric	Weight		Force		Electric Motor Specs.		Max. Speed	Sound	Cycle
	lbs.	kg.	lbs.	Newtons	Amperage*	Volts	VPM	dB	Duty Cycle
Big Bertha, DC-3500	34.7	15.7	3,500	15,570	60/60	12/24 DC	4,000	70	Special
<b>XL BERTHA™</b> Electric	Weight		Force		Electric Motor Specs.		Max. Speed	Sound	Cycle
	lbs.	kg.	lbs.	Newtons	Amperage*	Volts	VPM	dB	Duty Cycle
XL Bertha, DC-5000	40.0	18.1	5,000	22,240	70/70	12/24 DC	4,000	72	Special

\* Amperage subject to inrush current

<b>HYDRA BERTHA™</b> Hydraulic	Weight		lbs. per sq. in.	Speed	Maximum	Centrifugal Force		Sound
	lbs.	kg.	PSI	VPM	GPM	lbs.	Newtons	dB
Hydra Bertha, HLF-1750	30	14.0	1,000	5,000	2.6	2,300	10,230	72
Hydra Bertha, HLF-3500	35	16.0	1,200	4,000	2.5	3,500	15,570	72
Hydra Bertha, HLF-5000	41	18.6	1,500	4,000	2.5	4,500	20,020	72

<b>AIR BERTHA™</b> Pneumatic	Weight		40 PSI (2.8 Bar)		60 PSI (4 Bar)		80 PSI (5.5 Bar)		Max. Weight** of Material in Bin Slope Area	
	lbs.	kg.	CFM	VPM	CFM	VPM	CFM	VPM	lbs.	kg.
Air Bertha, Model 55-2AB	20	9.1	7.5	3,200	12	4,000	15	5,000	4,000 - 10,000	1,820 - 4,500
Air Bertha, Model 55-3AB	45	20.4	18.0	2,700	25	3,200	30	3,800	10,000 - 30,000	4,500 - 13,500



# BIG BERTHA DUMP TRUCK

## PNEUMATIC, HYDRAULIC, DC VIBRATORS

# BIG BERTHA™

- Easy to Install
- Rugged
- Speed Adjustable
- DC Model, 12 Volt Battery



Big Bertha  
DC-3500  
12V DC or  
24 v DC



ELECTRIC

### DC-3500 VIBRATOR: EFFICIENT 12 VOLT DC BATTERY OPERATION FOR MOBILE USE!

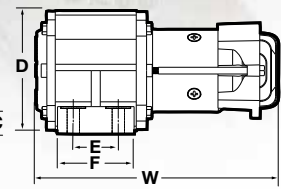
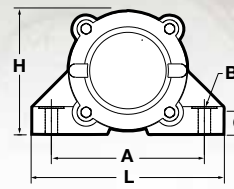
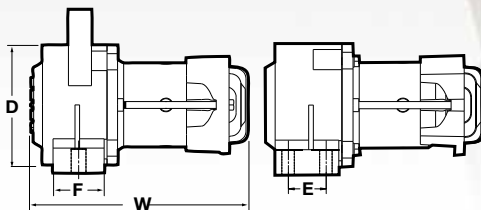
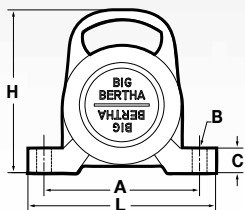
Cleans and aids flow of material from bins, vac trucks and chutes. Insures fast dump of trucks, vac trucks, highway equipment, fertilizer trailers, and spreaders. 24 Volt DC is also available (consult factory).



### Dimensions

#### BIG BERTHA DC-3500, DC-3500F

#### XL BERTHA, DC-5000



#### DC OPTIONS Consult Factory

Also available in a 4 bolt version, DC-3500F, to match competitors hole patterns.

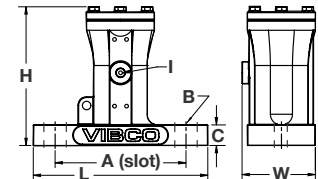
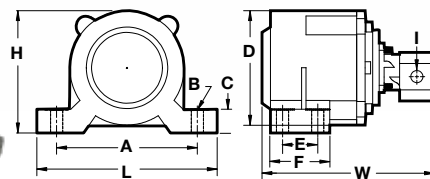
Accessories for 24V DC Models include Timer and Wiring Kit, TDC-2-24V

SS Safety cable available for Berthas that do not have a handle.



#### HLF-5000 HYDRA BERTHA†

#### AIR BERTHA 55-2AB, 55-3AB



### Dimensions

Model	L		W		H		A		B*		C		D		E		F		I
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	inlet/outlet
<b>BIG BERTHA™</b> Electric																			
DC-3500	10-1/8	257	11-1/2	292	9-1/8	232	8-1/2	216	3/4	19	1-3/8	35	6-1/4	159	—	—	2-7/8	73	—
DC-3500F	10-1/8	257	11-1/2	292	7-1/8	181	8	203	5/8	16	1-3/8	35	6-1/2	165	2	51	3-3/8	86	—
<b>XL BERTHA™</b> Electric																			
DC-5000	10-1/8	257	13-3/8	340	7-1/8	181	8	203	5/8	16	1-3/8	35	6-1/2	165	2	51	3-3/8	86	—
<b>HYDRA BERTHA™</b> Hydraulic																			
HLF-1750	10-1/4	260	8-9/16	217	9	229	8-1/2	216	3/4	19	1-3/8	35	6-1/2	165	2	51	2-13/16	71	3/4-16 SAE
HLF-3500	10-1/4	260	8-9/16	217	9	229	8-1/2	216	3/4	19	1-3/8	35	6-1/2	165	2	51	2-13/16	71	3/4-16 SAE
HLF-5000	10-1/4	260	8-9/16	217	7	178	8	203	3/4	19	1-3/8	35	6-1/2	165	2	51	3-5/8	92	3/4-16 SAE
<b>AIR BERTHA™</b> Pneumatic Piston																			
55-2AB	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 NPT
55-3AB	10-1/2	267	5	127	9-7/16	240	7-3/4	197	7/8	22	1-1/8	29	—	—	3-7/16	87	—	—	3/8 NPT
* Max. mounting bolt dia.      NOTE: Material, Dimensions & Data subject to change without notice • Dimensions +1/16" • Engineered dimensional drawings available on request																			

\* Max. mounting bolt dia.

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



# MEET **BIG BERTHA™** ON THE JOB



Above: "A Greener Approach: Witness the eco-friendly power of Big Bertha! This remarkable attachment effortlessly removes large stones and vegetation from a job site, while skillfully preserving the integrity of the soil (check out page 48-49).

Below: VIBCO's DC-3500, Big Bertha, ingeniously designed to securely fit beneath any truck's dump body, arrives equipped with seamless electrical connections for swift and efficient installation and operation."



Above: Power Unleashed: The Big Bertha and Eco Bertha prove their might on truck dump bodies of all sizes.

Below: Introducing the unstoppable Big Bertha DC-3500! Watch as it effortlessly shakes loose the toughest materials from the truck at bottom right – be it scorching hot asphalt, stubborn clay, dense fertilizer, frozen or wet dirt, dredging material, fly ash, or damp loam. Say goodbye to shoveling – it handles everything, from every corner, without a shovel.



# HEAVY DUTY MODEL SFC, FC VIBCO SMALL IMPACT

ELECTRIC



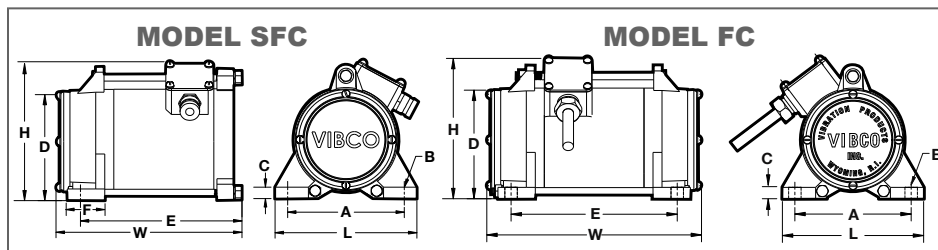
- Excellent for Feed Bins
- Continuous Duty
- Can Handle many
- Adjustable Eccentrics
- Totally Enclosed
- 1 and 3 Phase Models
- Can Handle many Stops and Starts (consult factory)



Introducing SFC Vibrators, the top choice for both indoor and outdoor applications where a lightweight and fully enclosed vibrator is essential to maintain the smooth flow of materials in automatic production machines, small to medium-sized bins, chutes, screens, and more. Our vibrators are designed to provide efficient and reliable operation, ensuring seamless material handling in various industrial settings. Switch Box is included with all single phase units (as shown in photo, right).



Above: The SFC Model shown on the hopper with a special heat mount (consult factory) is ideal for use in this high heat environment.



## Dimensions

Model	L		W		H		A		B*		C		D		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
SFC	6-1/2	165	8-1/4	210	6-3/4	171	5-1/4	133	1/2	13	1/2	13	4-1/2	114	7	178	1-3/4	44
FC	7-1/2	191	10	254	6-3/4	171	5-1/4	133	1/2	13	1/2	13	5-1/8	130	7-1/2	190	-	-

\* Bolt Size to be used

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

## Technical Data

Model	Weight		Centrifugal Force - lbs./N Adjustable						Electric Motor Specs.			Vibration per min.†	Sound*	Max. Weight** of Mat. in Bin Slope Area	
			Min.		Norm.		Max.								
	lbs.	kg.	lbs.	Newtons	lbs.	Newtons	lbs.	Newtons	Amp.	Volts***	Phase	VPM	dB	lbs.	kg.
SFC-100	25 21	11.3 9.5	60	265	100	445	150	665	3.6/1.5 1.8/0.5	115/230 230/460	1 3	3,600	60	1,500	680
SFC-300	27 23	12.2 10.4	100	445	220	980	300	1,335	3.6/1.5 1.8/0.5	115/230 230/460	1 3	3,600	62	3,000	1,360
SFC-400	28 24	12.7 10.9	150	665	300	1335	400	1,780	3.6/1.5 1.8/0.5	115/230 230/460	1 3	3,600	63	4,000	1,820
FC-100	34 31	15.4 14.1	100	445	220	980	300	1,335	3.6/1.5 1/0.5	115/230 230/460	1 3	3,600	62	3,000	1,360
FC-400	35 32	15.9 14.5	150	665	300	1,335	450	2,000	3.6/1.5 1/0.5	115/230 230/460	1 3	3,600	64	4,500	2,040

\* Decibel from A scale at 1 meter

\*\* Rule of thumb: One lb. vibrator force to each 10 lbs. of bin content

\*\*\* Most vibrators available in both 50 & 60 Cycles, and 575 volts

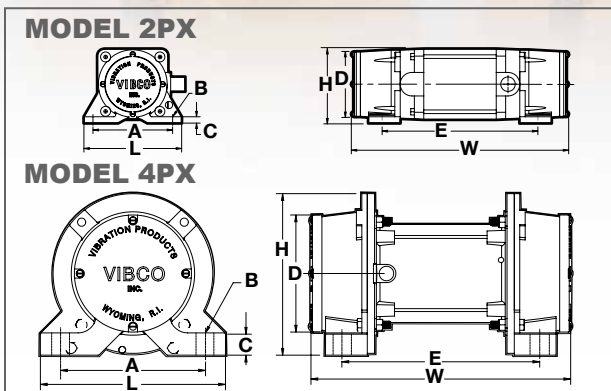
<sup>†</sup> 1800 VPM. (Vibrations per Minute) available

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



# MODEL 2PX, 4PX

## HAZARDOUS LOCATIONS - EXPLOSION PROOF



Ideal for use in hazardous locations, VIBCO offers the first American made "explosion proof" motor vibrator in NEMA 42, 48, 56 and 182 frame sizes. Supplied in 1- and 3-phase versions, our vibrators are Class I, Div. 1 and 2, Group D, or Class II, Div. 1 and 2, Group F and G. See chart below.

The eccentrics have 6 adjustable force settings for easy adjustment to match impact force to applications. Oversized roller bearings in Models 4PX-2000 & 4PX-5000 assure extra long life. Accessible lubricator nipples make them easy to lubricate. The other models have ball bearings which are pre-lubricated for life.



2PX surge bin application.

### Dimensions

Model	L		W		H		A		B*		C		D		E	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2PX-200	10-1/8	257	14-7/8	378	5-1/4	133	5-1/2	140	1/2	13	1/2	13	4-1/2	114	11-3/4	298
2PX-450	11-1/4	286	14-1/2	368	6-1/8	156	6-5/8	168	5/8	16	1-1/8	29	5-1/2	140	9-5/8	244
4PX-350	10-1/8	257	16-7/8	429	5-1/4	133	5-1/2	140	1/2	13	1/2	13	4-1/2	114	11-3/4	298
4PX-700	11-1/4	286	14-1/2	368	6-1/8	156	6-5/8	168	5/8	16	1-1/8	29	5-1/2	140	9-5/8	244
4PX-2000	13-7/8	352	18	457	11-1/8	283	10	254	1	25	1-5/8	41	7-7/8	200	13-11/16	348
4PX-5000	15-7/8	403	20-1/2	521	14-1/2	368	13	330	1	25	1-1/2	38	10-3/4	273	17	432

\* Bolt Size to be used

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

### Technical Data

Model	Weight		Class	Centrifugal Force - lbs./N Adjustable						Electric Motor Specs.				Speed Vib. /Min.	Sound*
	lbs.	kg.		and Div.	Min.		Norm.		Max.						
			lbs.		Newtons	lbs.	Newtons	lbs.	Newtons	Amp.	Volts**	Phase	HP	VPM	dB
2PX-200 42 Frame	20	9.1	Class I, Div.1 & 2 Group D	150	665	300	335	450	2,000	1/5	230/460	3	1/3	3,600	60
2PX-450 48 Frame	56	25.5	Class I, Div.1 & 2 Group D	110	490	450	2,000	900	4,005	5/2.5 1.6/7.8	115/230 230/460	1 3	1/3 1/2	3,600	62
4PX-350 42 Frame	20	9.1	Class I, Div.1 & 2 Group D	100	445	200	390	300	1,335	1/5	230†/460	3†	1/3	1,800	62
4PX-700 48 Frame	58	26.4	Class I, Div.1 & 2 Group D	300	1,335	500	2,225	700	3,115	6/3 1.4/7	115/230 230/460	1 3	1/4 1/2	1,800	64
4PX-2000 56 Frame	130	59.0	Class II, Div.1 & 2 Group F & G	625	2,780	1,200	5,340	2,000	8,900	3.6/1.8	230/460	3	1-1/4	1,800	72
4PX-5000 182 Frame	240	109.0	Class II, Div.1 & 2 Group F & G	1,700	7,565	4,800	21,360	6,500	29,250	5.2/2.6	230/460	3	2	1,800	75

\* Decibel from A scale at 1 meter

\*\* Most vibrators available in both 50 & 60 Cycles, 575 available in most models

<sup>†</sup> Consult factory for availability

NOTE: • Data obtained on laboratory test block

• Data subject to design changes

• Frequency & force will decrease on less rigid mount.



# MODEL CE ELECTRIC FOR CORROSIVE ENVIRONMENTS

ELECTRIC



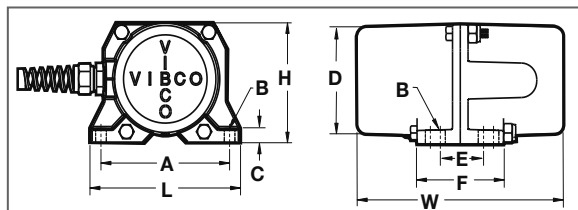
- Water Tight
- Chemically Rated
- Quiet Electric Motor
- Built for Long Life - Quality made to last!
- Can Take any number of Starts & Stops
- Convenient 115V Plug In Operation
- Washdown Safe
- Compact & Lightweight
- Continuous Duty

Experience the ultimate solution for applications requiring a gentle shake with unbeatable dependability. VIBCO's Model CE electric motor vibrators are chemically rated and designed for precision in activating small hoppers, screens, chutes, tables, and filling machines. From powders to flakes, pills to bottle caps and jars, controlled flow is achieved with ease.

These versatile vibrators offer adjustable speed and force through simple rheostats or speed controllers. What sets them apart is their quiet operation, providing a serene environment for employees where noise can be a distraction.

Built to withstand the test of time, the rugged construction of Model CE ensures continuous operation or repeated start-stop cycles in any position. With over-sized bearings and sturdy bell, these heavy-duty units are crafted for extra-long life. Housing comes in Cast Iron, Aluminum or composite materials.

## Dimensions



Model	L		W		H		A		B*		C		D		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CE-60CI	5	127	6-3/8	162	3-1/4	83	3-5/8	92	1/4	6	3/8	10	2-3/4	70	1-15/16	49	2-1/2	64
CE-60AL	5	127	6-3/8	162	3-1/4	83	3-5/8	92	1/4	6	3/8	10	2-3/4	70	1-15/16	49	2-1/2	64
CE-60	5	127	6-3/8	162	3-1/4	83	3-5/8	92	1/4	6	3/8	10	2-3/4	70	1-15/16	49	4	102
CE-60H2S04	5	127	6-3/8	162	3-1/4	83	3-5/8	92	1/4	6	3/8	10	2-3/4	70	1-15/16	49	4	102

\* Bolt Size to be used

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

## Technical Data

Model	Weight***		Force Impact		Electric Motor Specs.			Vibrations/Min.	Housing	Speed Option	Power	Sound
	lbs.	kg.	lbs.	Newtons	Volts**	Amps.	Phase	VPM	Enclosure	Adjustable	h.p.	dB*
CE-20	5/6/10	0.8/3.2/4	25	111	115	0.3	1	4,000	Watertight	Available	1/20	65
CE-40	5/6/10	0.8/3.2/4	45	200	115	0.3	1	4,000	Watertight	Available	1/20	65
CE-60	5/6/10	0.8/3.2/4	100	445	115	0.3	1	4,000	Watertight	Available	1/20	65
CE-60-200	6/7/11	3.2/3.6/5	150	667	115	0.3	1	4,000	Watertight	Available	1/20	65
CE-20H2S04	5	2.8	25	111	115	0.3	1	4,000	Watertight	Available	1/20	65
CE-40H2S04	5	2.8	45	200	115	0.3	1	4,000	Watertight	Available	1/20	65
CE-60H2S04	5	2.8	100	445	115	0.3	1	4,000	Watertight	Available	1/20	65
DC-20H2S04	5	2.8	25	111	12/24	3.0/1.5	-	3,600	Watertight	Available	1/20	65
DC-60H2S04	6	3.2	100	445	12/24	3.0/1.5	-	4,000	Watertight	Available	1/20	65

\* Decibel from A scale at 1 meter

\*\* CE vibrators available in both 50 & 60 Cycles

\*\*\* Weight in composite, aluminum, cast iron housings

NOTE: • Data obtained on laboratory test block • Data subject to design changes  
• Frequency & force will decrease on less rigid mount.  
• Material, Dimensions & Data subject to change without notice • Dimensions  $\pm 1/16$ "

# VIBRATION EQUIPMENT ON THE JOB APPLICATIONS



Above: Experience the unbeatable power of the Series SVRWS-5500 (page 58-59) railroad car shaker in action, efficiently tackling the toughest jobs.

Right: The VIBCO Air Cannon (page 68-69), shown in the white circle, ensures a seamless and consistent conveyor flow, maximizing operational efficiency.

Below Right: Enhance the strength of your concrete slabs with the help of a vibrating compaction table (pages 70-71), effectively eliminating air pockets for unmatched durability. Shown is a precast form on a custom grid top table.

Below: Explore VIBCO's extensive range of rollers and compactors (pages 72-73) designed for long-lasting pothole repair, as well as soil and asphalt compaction solutions that stand the test of time.





# OTHER VIBRATION PRODUCTS

## SECTION

### PORTABLE LUG TYPE.....pages 56-57



- ▶ **USL-900/USL-1600 Series** Use with LC-2 Lug Bracket
- ▶ **SVRL-5500,-6500,-8000** Use with LC-1 Lug Bracket
- ▶ **SVRLS-5500,-6500,-8000** Use with LC-1 Lug Bracket
- ▶ **HL-3000** Use with LC-1 Lug Bracket
- ▶ **2PL-900** Use with LC-2 Lug Bracket
- ▶ **CCL-5000** Use with LC-1 Lug Bracket
- ▶ **SVRLS-4000** Use with LC-2 Lug Bracket

### RAILROAD CARSHAKERS.....pages 58-60



- ▶ **RB-6500 Series** Latest in Railroad Technology
- ▶ **CCW-5000** The Silent Car Shaker
- ▶ **SVRWS-5500,-6500** Most Powerful
- ▶ **SVRWS-4000** With Stik-It™ Mount
- ▶ **VMW Electric** With Wedge Bracket
- ▶ **VMC Electric** With Clamp Bracket
- ▶ **PC-3500 Big Buster**
- ▶ **44-3 Pneumatic Piston**

### STIK-IT™ VACUUM MOUNT.....pages 61-63



- ▶ **STKIT 902, 903, 906, 908** Vibrator Mounts for most VIBCO units:
- ▶ **TRAILA™** The Traila™ unit is designed to save weight and make unloading your truck and tender hoppers simple and effective.
- ▶ **STIK-IT MAX™** The STIK-IT MAX™ unit is designed to save weight and make unloading your tender hoppers effective, while operating in extreme conditions.

### MOUNTING BRACKETS / CONTROL BOXES.....pages 64-67



- ▶ Over 750 mounting brackets available
- ▶ Pipe Brackets, Railroad car style brackets, wall systems, more
- ▶ Fool-Proof engineered mounting systems save time, money and effort!

### AIR CANNONS.....pages 68-69



- ▶ **ABS-4-10EV Series** 52-1/2" Tall
- ▶ **ABS-4-5EV Series** 48" Tall
- ▶ **ABS-4-4EV Series** 36" Tall
- ▶ **ABS-4-2EV Series** 32" Tall
- ▶ **ABS-2-2EV Series** 24" Tall
- ▶ **ABS-2EV Series** 15" Tall
- ▶ **ABS-1-1/2 Series** 28-5/8" Tall
- ▶ **ABS-1 Series** 5-9/16" Tall

### VIBRATION TABLES.....pages 70-71



- ▶ **Test Tables** VIBCO will build a Vibrating Table solution to meet your needs. Our affordable, effective and durable vibration tables suit any industrial or construction application like settling material for shipping & consolidating concrete. We have the shortest vibrating table lead times on the market!
- ▶ **Grid Top Tables**
- ▶ **Compaction Tables**
- ▶ **Flat Platform Tables**
- ▶ **Low Profile Packers**

### CONSTRUCTION DIVISION.....pages 72-73



- ▶ **Internal Concrete** Ideal for O.E.M. equipment
- ▶ **Plate Compactors** For Asphalt and Soil
- ▶ **Rollers** Also for Asphalt and Soil

### ACCESSORIES/MUFFLERS/CONTROL BOXES.....pages 74-75

### SELECTION DATA.....pages 76-81



# VIBCO PORTABLE LUG-TYPE ELECTRIC, PNEUMATIC, HYDRAULIC

**SVRL & SVRLS**  
-5500, -6500, -8000  
(Pneumatic, uses LC-1)

**CCL-5000**  
(Pneumatic,  
uses LC-1)

**HL-3000**  
(Hydraulic,  
uses LC-1)

7-1/4"  
184mm

**LC-1  
LUG BRACKET**

## Technical Data

Electric Models	Weight		Power	1 Phase	3 Phases		Power	Centrifugal Force - lbs./N Adjustable						Sound*	Vib. /min.
				Amperes at Volt**				Min.		Norm		Max.			
	lbs.	kg.	Phase	115/230	230/460	575	h.p	lbs.	Newtons	lbs.	Newtons	lbs.	Newtons	dB	VPM
2PL-900	30	13.6	1 & 3	3/1.5	1/0.5	0.4	1/3	15	665	300	1,335	450	2,000	62	3,600
2PL-1600	48	21.8	1 & 3	5/2.5	1.2/0.6	0.5	1/2	110	490	450	2,000	900	4,005	64	3,600
USL-900	18	8.2	1	4.5/2.3	—	—	—	600	2,670	900	4,005	1100	4,895	85	10,000
USL-1600	20	9.1	1	5.0/2.5	—	—	—	1,100	4,895	1,600	7,120	1800	8,010	85	9,000
* Decibel from A scale at 1 meter								NOTE: • Data obtained on laboratory test block • Data subject to design changes							
** Most vibrators available in both 50 & 60 Cycles, 115 to 575 volt								• Frequency & force will decrease on less rigid mount.							

Pneumatic Models	Weight		80 PSI (5.5 Bar)			90 PSI (6.2 Bar)			100 PSI (6.9 Bar)			Cubic ft. per min.	Sound
			Vibration per min.	Centrifugal Force		Vibration per min.	Centrifugal Force		Vibration per min.	Centrifugal Force			
	lbs.	kg.	VPM	lbs.	Newtons	VPM	lbs.	Newtons	VPM	lbs.	Newtons	CFM	dB
SVRLS-4000	22	10.4	11,500	3,600	16,000	12,500	4,000	17,800	13,500	4,400	19,500	40	78
SVRLS-5500	43	19.5	9,000	4,950	22,000	10,000	5,500	24,500	10,500	6,100	27,100	56	82
SVRLS-6500	45	20.4	8,800	5,575	24,800	9,500	6,500	28,900	10,000	7,200	32,000	58	80
SVRLS-8000	47	21.3	8,500	7,625	33,900	8,700	8,000	35,600	9,500	9,550	42,500	62	82
SVRL-5500	37	16.8	9,000	4,950	22,000	10,000	5,500	24,500	10,500	6,100	27,100	56	98
SVRL-6500	39	17.8	8,800	5,575	24,800	9,500	6,500	28,900	10,000	7,200	32,000	60	98
SVRL-8000	41	18.6	8,500	7,625	33,900	8,700	8,000	35,600	9,500	9,550	42,500	63	98

See page 30-31 for more information

Pneumatic Models	Weight		60 PSI (5.5 Bar)				80 PSI (5.5 Bar)				Sound
			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
CCL-2000	23	10.5	4,000	30	890	3,960	6,000	40	2,000	8,895	78
CCL-5000	48	21.8	4,000	35	2,220	9,875	6,000	50	5,000	22,240	75
CCL-7000	48	21.8	5,000	40	3,380	15,035	7,200	50	7,000	31,135	78

See page 12-13 for more information

Hydraulic Model	Weight		Avg. PSI (max 3000 PSI)	Vibration per Min.	Gallons per Min.	Force		Sound
	lbs.	kg.		VPM	GPM (max.)	lbs.	Newtons	
HL-3000	39	17.7	1,000	5,000	3.2	3,400	15,125	76

See page 34-35 for more information

# MODELS 2PL, SVRL, CC FIT BRACKETS LC-1 OR LC-2

**2PL-900**  
(Electric, uses LC-2)  
**2PL-1600**  
(Electric, uses LC-1)



**USL-900**  
**USL-1600**  
(Electric, uses LC-2)



**SVRLS-4000**  
(Pneumatic, uses LC-2)



**LC-2  
LUG BRACKET**

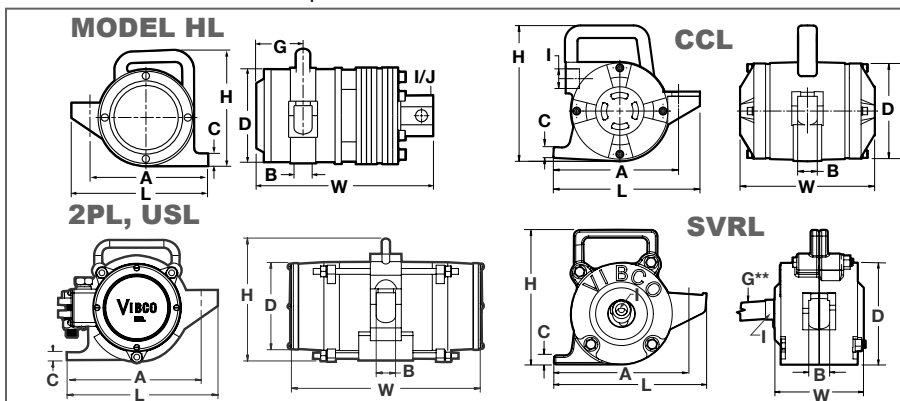


**LUG TYPE**

Unlock the potential of your LC-1 or LC-2 lug brackets with VIBCO's lug-type portable vibrator. Experience 100% vibration transfer, making it an easy and cost-effective solution for various applications. From bin to bin, tote box to tote box, or concrete form to concrete form, this portable vibrator does it all! Experience the

power of choice: electric, pneumatic, or hydraulic operation, allowing you to tailor the vibrator to your specific needs. Experience the efficiency and reliability of VIBCO vibrators in action!

*Right: A wall of VIBCO SVR High Frequency Vibrators hang on wall form with low slump concrete being poured.*



## Dimensions

Model	L		W		H		A		B*		C x F†		D		G**		Inlet I NPT / SAE	Bracket
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
2PL-900	7	178	12	305	7	178	5-1/2	140	1	25	1/2 x 1-1/4	13 x 32	5-1/2	140	—	—	—	LC-2
2PL-1600	9-1/2	241	11-5/8	295	8-7/8	225	6-5/8	168	1	25	3/4 x 1-1/4	19 x 32	6-3/4	171	—	—	—	LC-1
USL-900	7-1/2	190	11	279	7-1/4	184	4-3/4	121	3/4	19	1/2 x 1-1/4	13 x 32	4-3/4	121	—	—	—	LC-2
USL-1600	7-7/8	200	11	279	7-1/4	184	4-3/4	121	3/4	19	1/2 x 1-1/4	13 x 32	4-3/4	121	—	—	—	LC-2
SVRLS-4000	7	178	8	203	7-1/2	190	6	152	3/4	19	1/2 x 1-1/4	13 x 32	5	127	3/4	19	5/8-18 SAE	LC-2
SVRLS-5500, 6500 & 8000	9-1/2	241	8-1/16	205	9-1/4	235	7-3/4	197	1	25	3/4 x 1-1/4	19 x 32	6-3/8	162	3/4	19	5/8-18 SAE	LC-1
SVRL-5500, 6500 & 8000	9-1/2	241	6-1/8	156	9-1/4	235	8	203	1	25	3/4 x 1-1/4	19 x 32	6-1/2	165	3/4	19	5/8-18 SAE	LC-1
CCL-2000	7	178	8-1/16	205	7-1/4	184	6	152	3/4	19	3/8 x 1-1/4	10 x 32	5-1/16	129	—	—	3/4 NPT	LC-2
CCL-5000,7000	9-3/8	238	8-5/8	219	8-5/8	219	8	203	1	25	3/4 x 1-1/4	19 x 32	6-1/16	154	—	—	1 NPT	LC-1
HL-3000	9-1/2	241	11-1/4	286	9-1/4	235	7-3/4	197	1	25	3/4 x 1-1/4	19 x 32	6-1/4	159	3-1/8	79	3/4-16 SAE (inlet & outlet)	LC-1

\* Max. mounting bolt diameter

† C= Foot Height, F=Foot width

\*\* Hose diameter for SVR units (3/4" hose with 5/8-18 SAE threads supplied by VIBCO)

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



# VIBCO'S RAILROAD CARSHAKERS BRACKETS AVAILABLE

## WEDGE TYPE MODELS



### **MOST POPULAR PNEUMATIC SVRWS-5500, SVRWS-6500** (see page 30-31)

Our High-Frequency railcar shakers, SVRWS-5500 and SVRWS-6500, are engineered for ultimate performance with moisture-rich materials. They effortlessly tackle even the most challenging loads. Revolutionary Patented Wear-Plates: Slash Maintenance Costs by 75%!



### **SILENT Pneumatic CCW-5000** (see page 12-13)

With noise levels as low as 70-75 dB, equivalent to an electric motor, the CCW-5000 utilizes our patented turbine gear, delivering an impressive force of up to 5000 lbs. Experience hassle-free operation with its Quick-Disconnect hose fitting and secure hold down bracket. Check out pages 12-13 for more details!"

### **PNEUMATIC MODEL 44-3 & 44-3L PISTON** (see page 28-29)

44-3 available in powerful 3" bore or the 44-3L (long stroke). Both help evacuate hopper cars quickly. The convenient weight (lighter than competitors), ease of portability, and high forces of VIBCO's Model 44 has proven highly desirable.



### **ELECTRIC MODEL VMW ON WEDGE BRACKET** (see page 58-59)

Unmatched performance with the VIBCO Model VMW, a powerhouse comprising a 2P or 4P Vibrator accompanied by a robust Wedge style bracket. These heavy-duty electric vibrators come in two variants: the Model 2P, operating at an impressive 3600 RPM, and the Model 4P, providing a steady 1800 RPM. All models have overload protection and adjustable eccentrics providing flexibility to meet changes in material content or density.



### **HYDRAULIC MODEL HLF-3500 WEDGE BRACKET**(see pg 48-50)

The 'Big Buster' delivers a remarkable 3500 lbs. of force at a low frequency of 4000 Vibrations per Minute (VPM) and 9000 RPM. Its hydraulic/pneumatic operation offers a wide range of applications, providing superior force and adaptability in various industrial settings.

## CLAMP-ON MODELS

### **PNEUMATIC MODEL PC-3500 BIG BUSTER** (see page 34-35)

Introducing "Big Buster" Carshakers - the perfect solution for handling coarse materials with ease! Whether you opt for the Pneumatic or Hydraulic models, you can rely on their impressive high force at low frequency. At the heart of "Big Buster" Carshakers lies VIBCO's innovation - patented vibration isolation couplings. These couplings prevent vibrations from reaching the drive motor. As a result, you can rest assured that your drive motor will have a long and productive life.



### **ELECTRIC MODEL VMC ON CLAMP BRACKET** (see page 58-59)

Powerful and Versatile: Introducing the 2P-1700 and 2P-2500 with Clamp-On Brackets. These cutting-edge three-phase units come equipped with overload protection and adjustable eccentrics, allowing seamless adaptation to varying material content and density.



### **PNEUMATIC LUG STYLE MODEL SVRL-5500 or SRL ON CLAMP BRACKET** (see page 56-57)

Unleash Versatility with VIBCO's High-Frequency, High-Force Vibrators - Easily Mounted Anywhere! Whether it's portability, speed, or force adjustability you seek, these units outshine the competition with effortless air supply regulation. Say hello to unmatched versatility and performance in one exceptional package!



## STIK-IT™ BRACKETS

### **PNEUMATIC SVRFS-4000AL with Stik-It™ Mount** (see page 30-31, 61)

- Effortless Field Installation!
- Swift Setup, On-the-Go Portability!
- Secure Suction for Optimal Vibration Transfer.
- Target and Tackle Railroad Hopper Hang-ups with Precision.
- Perfect for Hassle-Free Hopper Cleaning too!



Ask for  
Catalog 9126      Ask for FL-P-RB-32919



# RAILROAD CARSHAKERS PNEUMATIC, ELECTRIC & HYDRAULIC

## SPECIAL PRODUCTS

### PNEUMATIC MODEL BVST-4400 WEDGE BRACKET (see page 8)

These have been the work horses for generations and are the most powerful of the Railroad Car-shakers. They will move the most stubborn materials.



### PNEUMATIC

#### CCW-2500 HOB0 (see page 12-13)

Dispelling a Common Misconception: Free-flowing materials like grain or plastic pellets may seem easy to handle, but without vibration, corners in dead flow zones of railcars remain uncleared. Enter the Hobo Heavy Duty Pneumatic Turbine Vibrator, the ultimate solution for effectively cleaning out those hard-to-reach areas!

Boost Your Bottom Line: Picture this – unloading 2 railcars a week with a product costing 50 cents a pound. Leaving just 100 pounds in each hopper means a staggering loss of \$100 (2 cars x 100 lbs in each x \$.50). The Hobo's remarkable efficiency leads to a two-month **Return on Investment (ROI)**, making it an incredible addition to your operations.

Lightweight Powerhouse: Weighing in at just 24 lbs, the Hobo is the lightest weight railroad car shaker available. Its virtually silent operation keeps disruptions at bay. The HOB0's patented design eliminates the need for lubrication.



Shown with optional hold down bracket for securing wedge into female pocket

## Unload Railroad Hopper Cars Faster, Cleaner with Less Labor . . . SIMPLE RULES FOR SELECTING YOUR CARSHAKER



### MATERIAL IN RAILROAD CAR (for chart below)

<b>GROUP 1</b>	Cement, flour, carbon black, bone black, aluminum shot.
<b>GROUP 2</b>	"After" Vibration (for cleaning car) Cement, sugar, flour, chemical salts (no moisture), corn grits, arsenic, barley hops, carbon black, borax, fluoride, gypsum, sodic sulphate, peanuts, sodium nitrate, semolina, trisodium phosphate and similar materials.
<b>GROUP 3</b>	Salts, molasses, iron ore, malt (if sticky) potash, bauxite, calcium carbide, crushed marble, and similar materials.
<b>GROUP 4</b>	Sand, stone, asphalt, stone dust, fly-ash, salt, coal, clay-lime-lumps, and similar materials.

RAIL CAR

	CAR SHAKER MODEL	Consisting of		Electric* Power	Vibrator Weight Only		Material in Railroad Car (see chart above)	dB**
		Vibrator	Bracket†		lbs.	kg.		
<b>ELECTRIC</b>	VMC-450	2P-450***	Clamp-On	1 & 3 Phase	50	22.7	Group 1	70
	VMC-1000	4P-1000‡	Clamp-On	1 & 3 Phase	52	23.6	Group 1	70
	VMW-450	2P-450	Wedge	1 & 3 Phase	48	21.8	Group 1	70
	VMW-700, 1000	4P-700, 4P-1000	Wedge	1 & 3 Phase	50	22.7	Group 1	70
	VMC-800	2P-800	Clamp-On	1 & 3 Phase	85	35.6	Group 2	75
	VMW-800	2P-800	Wedge	1 & 3 Phase	75	34.0	Group 2	75
	VMC-1700	2P-1700	Clamp-On	3 Phase	90	40.8	Group 3	78
	VMC-2500	2P-2500	Clamp-On	3 Phase	98	44.5	Group 4	80
<b>PNEUMATIC</b>	Model	Vibrator	Bracket†	CFM/80 PSI	Vibrator Wt.		Material in Rail Car	dB**
	CCW-2500 (Hobo)	Pneumatic Turbine	Wedge	30	30	13.6	Group 1-2	72-75
	CCW-5000	Pneumatic Turbine	Wedge	35	48	21.8	Group 1-2	72-75
	44-3	3" Piston	Wedge	30	50	22.7	Group 1-2	93-95
	PFW-1500	PF-1500	Wedge	21	55	24.9	Group 1-2	80-85
	PFC-1500	PF-1500	Clamp-on	21	63	28.6	Group 1-2	80-85
	RB-5000-CCW	Pneumatic Turbine	Air Wedge	35	48	21.8	Group 1-2	72-75
	CCW-2500 (Hobo)	Pneumatic Turbine	Wedge	30	30	13.6	Group 2-3	72-75
	CCW-5000	Pneumatic Turbine	Wedge	50	48	21.8	Group 2-3	72-75
	PFW-1500	High Frequency	Wedge	50	48	21.8	Group 2-3	78-85
	44-3L	3" L-Piston	Wedge	50	60	27.2	Group 2-3	90-95
	BVST-4400	Pneumatic Turbine	Wedge	30	22	10.0	Group 2-3	92
	PC-3500	PC-3500	Clamp-on	39	71	32.2	Group 2-3	90-95
	RB-6500-SVR	SVRS-Silent High Freq.	Air Wedge	50	48	21.8	Group 3-4	78-85
	SVRFS-4000AL	SVRS-Silent High Freq.	Stik-It 906	40	23	10.4	Group 3-4	78-85
	SVRWS-5500 & 6500	SVRS-Silent High Freq.	Wedge	50	48	21.8	Group 3-4	78-85
	PC-3500	PC-3500	Clamp-on	39	71	32.2	Group 3-4	80-85
	SVRC-5500, 6500 & 8000	SVR High Frequency	Clamp-on	55	58	26.3	Group 3-4	93-90

See page 66 for bracket weights in lbs. shown in parenthesis.  
\* Use 1 Phase brackets for both 1 & 3 Phase Units.  
\*\* Decibel at 1 meter on A-scale  
Material, Dimensions & Data subject to change without notice

\*\*\* 2P-450 for fine to granular materials  
‡ 4P-1000 for lumpy or stringy materials  
† When possible use wedge bracket over clamp-on for better vibration transfer  
Caution: Always use stabilizing jacks on both sides of the car when using shakers.

# VIBCO RAIL BOSS RAILROAD SHAKERS



- Patented
- Powerful
- Quiet
- Low Maintenance

## RB-6500 - LATEST IN RAILROAD CARSHAKER TECHNOLOGY

With its cutting-edge inflatable air bag, the RB-6500 dominates vibration force transfer to your car, effortlessly tackling the toughest loads. From coarse sand, stone, and asphalt to powdery flour and cement, nothing can withstand the RB-6500's vibrations. Say goodbye to wasted time and effort – our powerful technology rapidly clears your railroad car, leaving it primed for the next load. Embrace efficiency, as the RB-6500 ensures your cargo is delivered in full, without a trace of waste left behind.

### AS EASY AS 1, 2, 3

1. Easy in – just drop the RB-6500 unit into the dovetail bracket welded onto the hopper on the railroad car. The unit will fit easily with some play.
2. Activate the rubber air bag. The air pressure will wedge the specially designed male wedge bracket into the dovetail bracket.
3. Now start the vibrator – there will be **no loss** of vibration force – all will be directed into the hopper, – **no loss** of force due to a loose vibrator, and – **no wear or noise** due to a loose vibrator.

*When the car is unloaded, simply turn off the air pressure to the vibrator to stop it. Deflate the air bag and the unit is now loose and can easily be lifted from the bracket - no hammering out needed!*

## RCP-BUGGY FOR RAILROAD SHAKERS

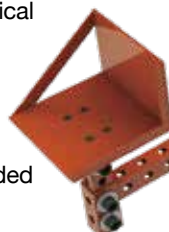
Introducing the Revolutionary RCP-Buggy by VIBCO - a game-changing solution designed to streamline the process of moving and installing your railroad car shaker. With its fully adjustable features, this innovative tool ensures both ease and safety during operations. The RCP-Buggy's convenient maneuverability makes it the perfect choice for transporting vibrators between railcars with utmost efficiency.

The basket that sits on the end of the RCP is specifically made to cradle your vibrator model. Please specify the unit you plan to use when ordering so the bucket can be customized to fit your unit. The RCP-buggy can easily be adjusted to the user's height as well as the weight of the unit and more.

Its ergonomic construction is designed to take the pressure off of lifting the unit into place and removing it, making it a real job site safety investment. It can be operated by a single worker, increasing productivity, without straining backs.

Hand injuries can also be reduced as hand lifting of the vibrator is eliminated. The RCP-Buggy is a lightweight and economical solution with substantial strength in moving heavy railcar shakers. It's a "Must Have" for every rail yard.

1. Adjust height and angle of basket to achieve best fit. Replace basket as needed to fit additional vibrator models.



3. Adjust angle between base and handle to fit vibrator pocket height

2. Adjust the length to fit distance from platform to vibrator pocket

4. Adjust handle height for improved ergonomics and leverage



**RB-6500-SVR &  
RB-5000-CCW  
with the latest  
in technology**





# MOUNTING SYSTEMS

## STIK-IT™ VACUUM MOUNT

Shown with Pneumatic  
SVRFS-4000 AL unit  
with Stik-It™ WALL

- Rapidly Attaches to Surfaces
- No Bolting or Welding
- Provides "One Person Portability"
- Great for Testing and Cleaning
- Extreme Temp (ET) Models Available (see below for temp. range)

**VIBCO's** Stik-It™ pneumatic vibrator mount is the versatile, weld free vibrator mounting solution you need! It mounts to any smooth nonporous surface in seconds. No bolts, no welding, no hassle. Just the right amount of vibration right where you need it... right away.

VIBCO's exclusive Stik-It™ mount creates positive suction with a steady air miser. Place, remove and reuse your VIBCO vibrators in seconds!

VIBCO Stik-It™ mounts can be used with over 40 of VIBCO's pneumatic, electric and hydraulic vibrators. Just ask a VIBCO Engineer to recommend the right vibrator and mount.

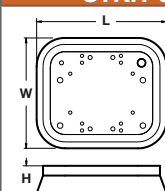
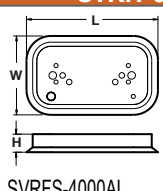
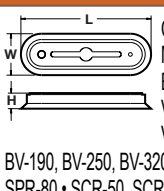
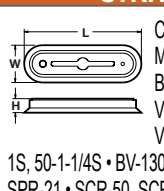
Tried other models that failed? VIBCO's Stik-It™ mount was designed just for the harsh dusty industrial environment. Our vacuum producer will pass large dust particles that will kill other units! Plastic tote bins, IBCs, test labs, rail cars, fiber drums, V cone blenders, temporary material flow problem spots, hopper clean outs... all are perfect places to Stik-It™!



Which VIBCO Vibrator model do you plan to use?

Find your vibrator in the boxes below to see which Stik-It™ mount is compatible.

If your Vibrator model is not listed, call a VIBCO Application Engineer to help you make the right selection, 401-539-2392.

STKIT-908*	STKIT-906*	STKIT-903*	STKIT-902*
 <p>Compatible with: VS-510 • SCR-300, SCR-400 • 2P-75, 2P-100, 2P-150 • 50-2S</p>	 <p>Compatible with: VS-380 • V-380 • 50-1-1/2S-V • US-450T, US-700 • SVRFS-4000AL</p>	 <p>Compatible with: MLT-190, MLT-250, MLT-320 • BVS-130, BVS-160, BVS-190, BVS-250, BVS-320 • V-130, V-190, V-250, V-320 • VS-130, VS-160, VS-190, VS-250, VS-320 • 50-1S, 50-1-1/4S • BV-130, BV-190, BV-250, BV-320 • SPR-20, SPR-21, SPR-40, SPR-60, SPR-80 • SCR-50, SCR-100 • SPRT-21, SPRT-60, SPRT-80</p>	 <p>Compatible with: MLT-190 • BVS-130, BVS-160, BVS-190 • V-130, V-190 • VS-130, VS-160, VS-190 • 50-1S, 50-1-1/4S • BV-130, BV-190 • SPR-20, SPR-21 • SCR-50, SCR-100 • SPRT-21</p>

**Dimensions** - Other sizes available. Consult Factory for further information. \*Vibrators sold separately

Model	L = Length		W = Width		H = Height		Inlet
	inch	mm	inch	mm	inch	mm	NPT
STKIT-902 & STKIT-902ET	8	203.2	3	76.2	1-3/8	34.9	1/4
STKIT-903 & STKIT-903ET	11	279.4	3-1/2	88.9	1-3/8	34.9	3/8
STKIT-906 & STKIT-906ET	10	254.0	6	152.4	1-3/8	34.9	3/8
STKIT-906WALL & STKIT-906WALLET	10	254.0	6	152.4	1-3/8	34.9	3/8
STKIT-908 & STKIT-908ET	10	254.0	8-1/2	215.9	2-1/8	53.9	3/8

## Technical Data

Model No.	psi	bar	CFM	Std. Temp. Range		Extreme Temp. Range		Weight	
				°F	°C	°F	°C	lbs	kg.
STKIT-902 & STKIT-902ET	80	5.5	8	32°F to 125°F	0°C to 51°C	-40° to 450°F	-40° to 232°C	0.8	0.4
STKIT-903 & STKIT-903ET	80	5.5	8	32°F to 125°F	0°C to 51°C	-40° to 450°F	-40° to 232°C	1.6	0.7
STKIT-906 & STKIT-906ET	80	5.5	8	32°F to 125°F	0°C to 51°C	-40° to 450°F	-40° to 232°C	3.3	1.5
STKIT-906WALL & STKIT-906WALLET	80	5.5	8	32°F to 125°F	0°C to 51°C	-40° to 450°F	-40° to 232°C	3.3	1.5
STKIT-908 & STKIT-908ET	80	5.5	8	32°F to 125°F	0°C to 51°C	-40° to 450°F	-40° to 232°C	4.4	2.0

STD temp. range uses blue neoprene base, Extreme temp. range uses black silicone base • NOTE: Material, Dimensions & Data subject to change without notice • Dimensions ±1/16"



# MOUNTING SYSTEMS

## TRAILA™ VIBRATOR MOUNT



- Easily moves from hopper to hopper
- Securely attaches to hoppers on grain trailers and more
- High Temp Units Available
- Powerful yet Lightweight

Experience the ultimate solution for weight-saving and effortless unloading with the innovative Traila™ unit. Designed to simplify your truck and tender hopper unloading process, Traila™ boasts a hassle-free experience like never before. Switching between hoppers is a breeze with Traila™ thanks to its suction-activated base, eliminating the need for bolts, welding, or any unnecessary complications. Its powerful suction even works wonders on plastic tote bins, fiber drums, and other non-porous surfaces.

Say goodbye to cumbersome setups! VIBCO's specialized air fitting seamlessly connects to your truck's compression system. With just an air hose, you can effortlessly switch between bins. Activate the suction with a straightforward switch and



**TRAILA**  
**STIK-IT™**

start the vibration with another, allowing you to take control effortlessly. The Traila™ has been thoughtfully redesigned for reduced weight and improved versatility, ensuring the right force and frequency to handle even your toughest loads. Experience unparalleled efficiency with Traila™ and revolutionize your unloading process today.

## STKIT-901GP

- For columns with a tight radius

The STKIT-901GP can be easily moved from column to column as needed. The neoprene suction base is paired with

a strong, specialized MLT-190 which is ideal for small diameter columns and curved surfaces with its small footprint. VIBCO engineers are happy to suggest the perfect STIK-IT for your needs. We have versions to handle small areas as well as railroad cars.

## Dimensions

Model	L		W		H		C		D		I	J	K	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	NPT	NPT	in.	mm
TRALA-STKIT150	10	254	6	152	8-7/16	214	1-3/8	35	5/16	8	1/4	3/8	2-1/2	64
TRALA-STKIT200	10	254	8-1/2	216	9-5/16	237	2-1/8	54	1/4	6	1/4	3/8	3	76
STKIT-901GP	6	152	3-5/16	84	5-1/4	133	1	25	2	51	1/4	1/2	—	—

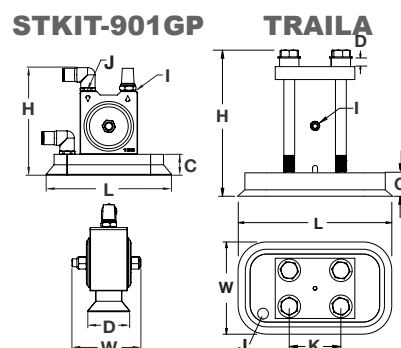
NOTE: • Material, Dimensions & Data subject to change without notice • Dimensions ±1/16"

## Technical Data

Model	Weight		60 PSI (4 Bar)		80 PSI (5.5 Bar)		Max. Weight* of Material in Bin Slope Area			
			Cubic ft./min.	Vibration/min.	Cubic ft./min.	Vibration/min.				
	lbs.	kg.	CFM	VPM	CFM	VPM	min. lbs.	max. lbs.	min. kg.	max. kg.
TRALA-STKIT150	14.9	6.7	9	2,400	11	3,200	400	1,000	180	455
TRALA-STKIT200	21.4	9.6	12	2,400	15	3,000	1,000	4,000	455	1,815
STKIT-901GP	4.1	1.9	7.5	7,000	8.5	7,200	—	2,700	—	1225

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

NOTE: • Data obtained on laboratory test block  
• Frequency and force will vary with quality of air, unit lubrication, and rigidity of mount  
• Material, Dimensions & Data subject to change without notice



# MOUNTING SYSTEMS STIK-IT MAX

Shown with SVRFS-4000AL but MAX works with many other vibrators using its adjustable plate. Consult Factory for Custom Solutions

- **Versatile, Works with many VIBCO Units on any flat smooth surface.**
- **Increased Cup Life - Vibrations through Unit, not Cup.**
- **Patented Design offers Significantly Increased Force Transfer**



Say goodbye to frequent cup replacements! Experience the difference with our innovative technology that directs vibrations through the Unit, not the Cup. This breakthrough design ensures an extended cup life, saving you valuable time and resources.

Are you ready to conquer the most demanding challenges? When the job calls for heightened force and amplitude, our VIBCO Stik-It MAX rises to the occasion. It's engineered for excellence, designed for durability, and destined to excel in even the toughest environments.

Introducing the Ultimate VIBCO Accessory for Unrivalled Performance, Stik-it MAX! Engineered to seamlessly work with most VIBCO Units MAX will enhance your industrial operations or tackle demanding applications in AG, Transportation, and Concrete. Our patented design is an adaptable solution which is here to revolutionize the way you work.

Upgrade your equipment and elevate your success. Experience the future of force transfer – order your VIBCO Stik-It MAX today and embrace the possibilities it brings to your applications. **Unleash the power, amplify the results – with VIBCO!**

## Dimensions

Model	L		W		H	
	in.	mm	in.	mm	in.	mm
906MAX	6	152.4	10	254	2.5	63.5
908MAX	8.5	215.9	10	254	3.25	82.55

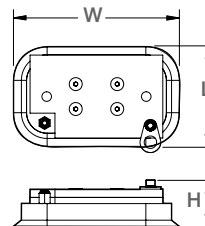
NOTE: • Material, Dimensions & Data subject to change without notice • Dimensions  $\pm 1/16"$

## Technical Data

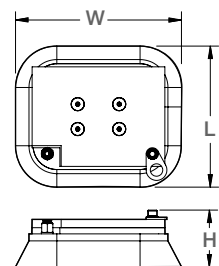
Model No.	psi	bar	CFM	Std. Temp. Range		Weight*	
				°F	°C	lbs	kg.
906MAX	80	5.5	8	32°F to 125°F	0°C to 51°C	6.5	2.948
908MAX	80	5.5	8	32°F to 125°F	0°C to 51°C	7.85	3.561

STD temp. range uses blue neoprene base, Extreme temp. range uses black silicone base • NOTE: Material, Dimensions & Data subject to change without notice • Dimensions  $\pm 1/16"$   
\* The Weight shown does not include the weight of the actual vibrator which may change to meet your needs.

906MAX



908MAX





# VIBCO MOUNTING SYSTEMS PREFABRICATED CONVENIENCE!

Follow the installation instructions for outstanding results with VIBCO's pre-fabricated systems.

## 1. Best Transfer of Vibration!

Experience the ultimate transfer of vibration with VIBCO's Pre-mounted systems, ensuring optimal distribution for maximum effect.

## 2. Protect your equipment from damage due to wrongly mounted vibration solutions

Worried about equipment damage from incorrectly mounted solutions? Put your concerns to rest with VIBCO mounting systems. Designed to work seamlessly with our vibrators, they guarantee a safe transfer of necessary vibration, preventing any potential damage or cracks in bins. Avoid disaster by steering clear of inferior products that could spell trouble!

## 3. Systems Available for all Vibrator Styles

Our range of mounting systems covers every Vibrator Style imaginable. From wall forms, pipes, and concrete trucks to railroad cars, dump bodies, and bins, we have you covered. Discover our innovative Stik-it™ system, specially designed for non-porous surfaces (see page 61).

## 4. Convenient / Easy to Mount

Our Pre-Fabricated Mounting Systems take the guess work out of mounting the correct equipment in the correct fashion. Easy to follow directions or our VVV (Virtual Van Visit) give you a simple 1, 2, 3 step instructions to install.



## 5. Brackets allow vibrator portability

Achieve unparalleled flexibility with our brackets, allowing you to install multiple permanent or portable options. Tailor the placement of vibrators precisely to your project requirements, maximizing efficiency and effectiveness. Concrete molds, wall and foundation pouring, railroad car loading and unloading, bins, and hoppers all benefit from vibration to improve material flow.



Looking for portability? Be sure to check out our latest units featuring cutting-edge brackets. They utilize standard air pressure to create powerful suction, making your job even easier.





# VIBCO PIPE BRACKETS

## ENGINEERED SYSTEMS THAT WORK!



### USE VIBCO MOUNTING SOLUTIONS FOR BEST FORCE TRANSFER

We believe in giving you choices and options to meet your needs! We offer a complete line of mounting hardware and brackets to suit any mounting configuration for a wide variety of industrial and construction vibrator applications including: pipe mounting and other

brackets, clamp blocks, railroad car shaker wedge brackets and clamp-on brackets, adapter plates, and concrete form brackets. VIBCO's Easy Mounting System is perfect for most industrial vibrator installations. Contact a VIBCO application engineer to discuss the best mounting solution for you. (For pipe brackets, please specify pipe diameter with order!)



MOUNTING

## WALL FORM BRACKETS

### FOR ALL FORM TYPES & BRANDS


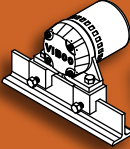
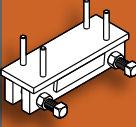
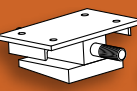
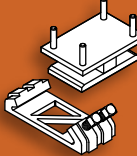
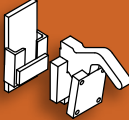
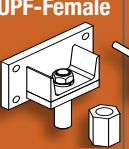
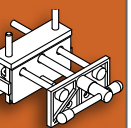


Discover the ideal wall form bracket for your construction needs with VIBCO's outstanding selection. Our standard VIBCO models are expertly crafted to ensure optimal performance with both individual manufactured form types and wooden forms. But that's not all - we go the extra mile to empower you in your construction journey!

Imagine creating your very own customized wall bracket - a perfect fit for your unique requirements. With VIBCO's support and collaboration with our application engineers, the possibilities are endless.

Picture the vibration waves emanating powerfully from the vibrator and gently diminishing in a circular pattern, akin to the mesmerizing ripples created by a stone tossed into water. Our brackets ensure a remarkable effective vibration area, typically within a 3-foot radius from the vibrator. But wait, there's more! Some of the vibration can travel up to a 5-foot radius, where the next vibrator's effect conveniently overlaps, ensuring seamless coverage. Our experienced engineers are readily available to lend their expertise.

# VIBCO MOUNTING BRACKETS

BRACKETS FOR STANDARD MODELS		Mounting Bracket	Clamp Block	Car Shaker & Form Bracket	Car Shaker Wedge Bracket	Form & Bin SB Shoe Bracket	Wedge Type Form Bracket	Pin Form Bracket UPF-Female	Wooden Form Bracket
				 Clamp-On			 UWF-Female		
Female bracket weight		—	—	Channel bracket: lg. 28.15/sm14.3 lbs	25 lbs.	7.7 lbs.	UWF-3: 5.6 lbs. UWF-1: 3.7 lbs.	2 lbs.	—
2P-75		VMM-11 (2)	—	VMC-81 (17)	—	—	VMT-11 (15)	—	—
2P-100		VMM-111 (2)	—	VMC-82 (17)	—	—	VMT-1 (15)	—	—
2P-150		VMM-12 (7)	—	VMC-83 (22)	—	—	VMT-12 (19)	—	—
2P-200, 4P-350		VMM-2 (7)	—	VMC-2 (36)	VMW-2 (27)	VMH-2 (15)	VMT-2 (19)	—	VMF-2 (14)
4P-700 & 1000, 6P-300 & 500		VMM-4 (11)	—	VMC-4 (39)	VMW-4 (31)	VMH-4 (18)	VMT-4 (23)	—	VMF-4 (18)
2P-450,	1 ph	VMM-4 (11)	—	VMC-4 (39)	VMW-4 (31)	VMH-4 (18)	VMT-4 (23)	—	VMF-4 (18)
	3 ph	VMM-3 (11)	—	VMC-3 (39)	VMW-3 (31)	VMH-3 (18)	VMT-3 (23)	—	VMF-3 (18)
2P-800	1 ph	VMM-61 (21)	—	VMC-61 (49)	VMW-61 (41)	VMH-61 (28)	—	—	—
	3 ph	VMM-5 (21)	—	VMC-5 (49)	VMW-5 (41)	VMH-5 (28)	—	—	—
2P-1700		VMM-6 (21)	—	VMC-6 (40)	—	—	—	—	—
4P-1400		VMM-6 (21)	—	VMC-6 (40)	—	—	—	—	—
2P-2500, 2P-3500 & 4500		VMM-7 (21)	—	VMC-7 (41)	—	—	—	—	—
4P-2000		VMM-6 (21)	—	VMC-6 (40)	—	—	—	—	—
6P-1000		VMM-6 (21)	—	VMC-6 (40)	—	—	—	—	—
8P-500		VMM-6 (21)	—	VMC-6 (40)	—	—	—	—	—
2P-5500, 4P-3000 & 5000		VMM-8 (51)	—	—	—	—	—	—	—
6P-1500 & 2500		VMM-8 (51)	—	—	—	—	—	—	—
8P-750, 8P-1200		VMM-8 (51)	—	—	—	—	—	—	—
SPR, SPRT-20, -21 SPR, SPRT-40, -60 & -80		SPM-1 (2)	C-2 (3)	—	—	—	—	—	—
		SPM-2 (3)	C-2 (3)	—	—	—	—	—	—
SPWT		SPWM (3)	—	SPWC (8)	—	—	—	—	—
SCR-100, US-100, DC-100		UM-1 (2)	C-2 (3)	—	—	—	—	—	—
SCR-200, US-450, DC-450		UM-2 (4)	C-4 (4)	UC-3 (15)	—	UA-1 (11)	UW-4 (16)	UW-1 (5)	USF-1 (11)
US-700, DC-700		UM-7 (2)	C-4 (4)	UC-4 (15)	—	—	UW-5 (14)	—	USF-4 (9)
SCR-500		SCRM-2 (8)	—	SCRC-2 (20)	SCRW-2 (28)	SCRA-2 (15)	—	—	SCRF-2 (16)
SCR-1000		SCRM-1 (8)	—	SCRC-1 (20)	SCRW-1 (28)	SCRA-1 (15)	—	—	SCRF-1 (16)
SFC MODELS		SFCM (4)	—	—	—	SFCH (11)	—	—	—
FC MODELS		FCM-1 (5)	—	FBB-1 (15)	—	FCH-1 (12)	—	—	—
US-900, DC-900		UM-3 (6)	—	UC-1 (15)	—	UA-2 (13)	UW-2 (18)	—	USF-2 (13)
US-1600, DC-1600		UC-4 (6)	—	UC-2 (16)	—	UA-3 (13)	UW-3 (18)	—	USF-3 (13)
BB, BBS, FBS MODELS		—	C-1 (3)	—	—	—	—	—	—
B-130, BV-130, BVS-130		BVM-1 (2)	C-2 (3)	—	—	—	—	—	—
B, BV, BVS-160 & 190		BVM-2 (2)	C-2 (3)	—	—	—	—	—	—
B-250, BV-250, BVS-250		BVM-3 (2)	C-2 (3)	—	—	—	—	BVP-5 (5)	—
B-320, BV-320, BVS-320		BVM-4 (2)	C-3 (3)	—	—	BVH-4 (9)	BVT-4 (14)	BVP-4 (5)	BVF-4 (9)
BV-380, BVS-380		BVM-5 (4)	C-4 (4)	—	—	BVH-3 (11)	BVT-3 (16)	BVP-3 (5)	BVF-3 (11)
BVS-510		BVM-6 (6)	C-4 (4)	BVC-3 (15)	—	BVH-2 (13)	BVT-2 (18)	BVP-2 (5)	BVF-2 (13)
BVS-510F		BVM-61 (6)	—	BVC-2 (15)	—	BVH-21 (13)	BVT-21 (18)	BVP-21 (5)	BVF-21 (13)
BVS-570, BVST-4400		BVM-7 (7)	—	BVC-1 (15)	BVW-1 (27)	BVH-1 (14)	BVT-1 (19)	—	CCFF-3 (15)
V-130, VS-130		VSM-1 (2)	C-2 (3)	—	—	—	—	—	—
V, VS-160 & 190		VSM-2 (2)	C-2 (3)	—	—	—	VST-3 (15)	VSP-3 (5)	VSF-4 (9)
V-250, VS-250		VSM-3 (4)	C-2 (3)	—	—	VH-1 (11)	VST-2 (17)	VSP-2 (5)	VSF-2 (12)
V-320, VS-320		VSM-3 (4)	C-3 (3)	—	—	VH-1 (11)	VST-2 (17)	VSP-1 (5)	VSF-2 (12)
V-380, VS-380		VSM-4 (4)	—	VC-3 (15)	VSW-1 (25)	VH-2 (11)	VST-1 (17)	—	VSF-1 (12)
VS-510		VSM-5 (4)	—	VC-1 (15)	—	VH-3 (11)	VST-4 (17)	—	VSF-3 (12)
SVRFS-2000 & -4000, CCF-2000		CCM-3 (3)	—	CCFC-3 (31)	CCFW-3 (24)	CCFH-3 (10)	CCW-2 (16)	—	CCFF-1
CCF-5000		CCM-2 (7)	—	CCFC-1 (35)	CCFW-1 (28)	CCFH-1 (14)	CCW-3 (20)	—	—
CCL-5000		—	—	CCFC-2 (29)	CCFW-2 (22)	CCFH-2 (15)	—	—	—
SVR-4000		SVM-1 (6)	—	SVC-1 (34)	SVW-1 (27)	SVA-1 (13)	SVH-1 (18)	SVP-1 (5)	SVF-1 (13)
SVR-5500		—	—	SVC-2	SVW-2 (22)	—	SVH-2	—	—
SVRF-5500		SVM-2 (8)	—	SVC-4 (37)	SVW-4 (29)	—	—	—	—
SVRL, SVRLS-5500, 6500 & 8000		—	—	CCFC-2 (29)	CCFW-2 (22)	CCFH-2 (15)	—	—	—
SVR-8000		SVM-3 (9)	—	SVC-3 (38)	SVW-3 (29)	—	—	—	—
HLF-1750 & -2500, PLF-1750 & -3500, PF, HF-800, -1200 & -1500		PFM-1 (9)	—	PFC-1 (38)	PFW-1 (29)	PFA-1 (16)	—	—	—
PF, HF-3500		PFM-2 (11)	—	PFC-2 (40)	PFW-2 (31)	PFA-2 (18)	—	—	—



**VIBCO ENGINEERS**  
will design special brackets for your applications

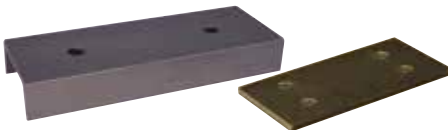
( ) weight in lbs. NOTE: Material, Dimensions & Data subject to change without notice



# VIBCO MOUNTING BRACKETS



Mounting Plates, Channels, and Mounting Kits with Channel Irons are available.



The wider UWF-3 Heavy Duty Wedge Bracket is used for stronger forces.



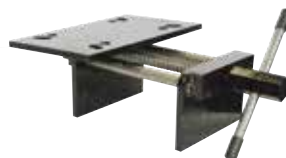
UWF-1 Female Bracket allows multiple hoppers to use one vibrator as needed.



UPF bracket is ideal for precast and other applications. Vibrators can be easily moved.



The VIBCO Form Bracket can be used for wood, plastic, fiberglass, & metal wall forms.



**Brackets offer you the flexibility to precisely position the vibrator where it's most needed.**

**Vibco brackets are renowned for their reliability, ensuring they will efficiently transfer the force and frequency to fulfill their intended purpose better than competitive brackets.**



Lug Brackets take the vibration where you want it.  
LC-1 LC-2



Rail Road Car Wedge Bracket



Clamp-On Bracket





# AIR CANNONS

## WITH 2 STYLES OF VALVES

## TO MOVE MATERIALS

### EXTERNAL VALVE

- No Backlash
- Quiet Operation
- Clog-Free Valve
- Low Maintenance
- Safe External Servicing with easy cartridge replacement!
- ASME Coded Vessel

Ask for  
Catalog 9131  
Air Cannons

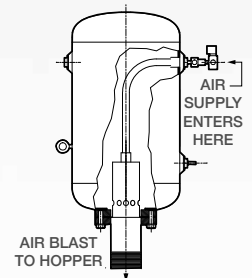


### INTERNAL VALVE

- Only one moving part
- Kit complete with 90° elbow, flanges, bolts,
- Safe
- Quiet

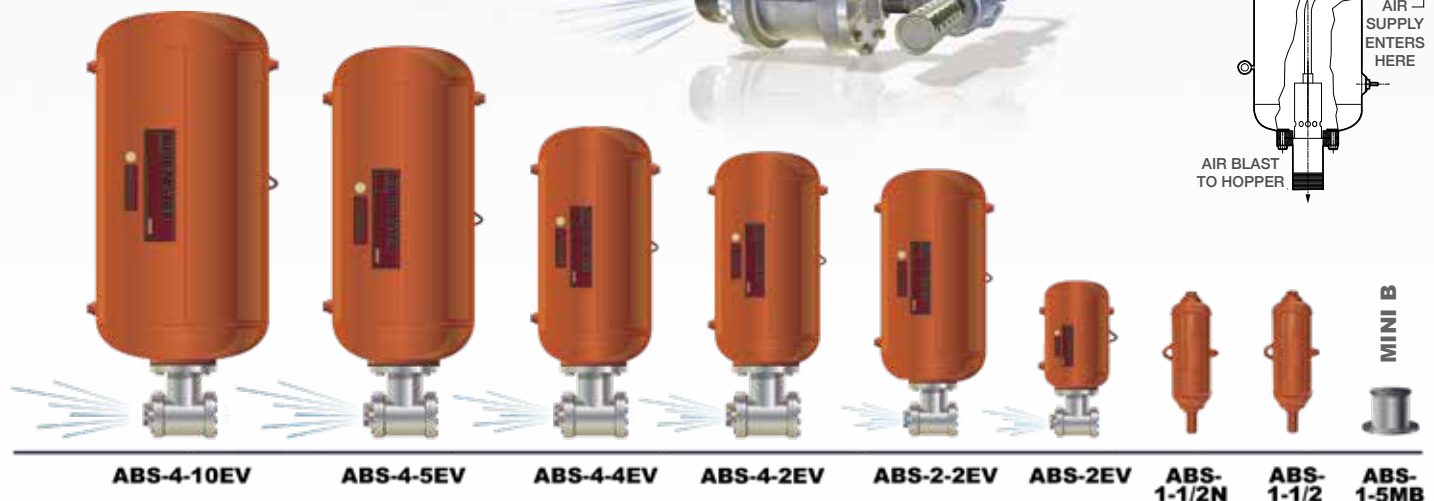


STANDARD  
INTERNAL VALVE



### AIR CANNON SIZE COMPARISON FROM 52.5" TO 5.5"

### SHOWN WITH EXTERNAL VALVE



### Dimensions

MODEL NO.	DESCRIPTION	HEIGHT		DIAMETER		VOLUME	
		inch	mm	inch	mm	ft. <sup>3</sup>	Liters
ABS-1-5MB	VIBCO's Mini B - Smallest industrial Blaster in the world	5-9/16	141	6	152	0.20	0.57
ABS-1-1/2N	Compact, narrow design for use in tight areas.	25	635	6	152	0.20	0.57
ABS-1-1/2	Compatible for the Canadian market	26-7/8	683	5-13/32	137	0.11	3.1
ABS-2EV	<ul style="list-style-type: none"> <li>• Works well for wood, steel and concrete bins</li> <li>• In stock available with same day/next day shipping</li> <li>• All cannons 100% manufactured in the USA</li> <li>• Operates on plant air from 40 to 120 psi</li> <li>• Air Cannons have been made with pride since the '70s</li> <li>• Repair kits are available for older models</li> <li>• Can be used singly or in multiples</li> <li>• Heavy duty construction for durability</li> </ul>	15	381	10	254	0.60	17.0
ABS-2-2EV		24	610	12	305	1.36	39.0
ABS-4-2EV		32	813	12	305	1.36	39.0
ABS-4-4EV		36	914	16	406	3.54	100.0
ABS-4-5EV		48	1,219	16	406	4.35	123.0
ABS-4-10EV		52-1/2	1,334	24	610	9.33	264.0

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

# ABS SERIES WITH PATENTED DOUBLE PISTON VALVE

Select the Ideal VIBCO Air Cannon with 2 Effective Methods!

## METHOD 1: Bin Size Consideration

Choosing the right VIBCO Air Cannon is made easy by considering the size of your bin. Follow these guidelines:

- For bins with a diameter or side measuring **2 to 6 feet**, opt for ABS-1-1/2.
- Bins with a diameter of **6 to 10 feet** are best served by ABS-2EV or ABS-2-2EV.
- If your bin falls within the **10 to 15 feet** diameter range, go for ABS 4-2EV, with one unit required for every 13-15 feet of circumference or perimeter.
- For larger bins, between **16 to 20 feet** in diameter, choose either ABS-4-4EV or ABS-4-5EV, with one unit for every 20-25 feet of circumference or perimeter.
- For even bigger bins ranging from **21 to 26 feet** in diameter, consider ABS 4-10EV, with one unit for every 25-30 feet of circumference or perimeter.

## METHOD 2: Dealing with Tough Materials & Odd Shaped Bins

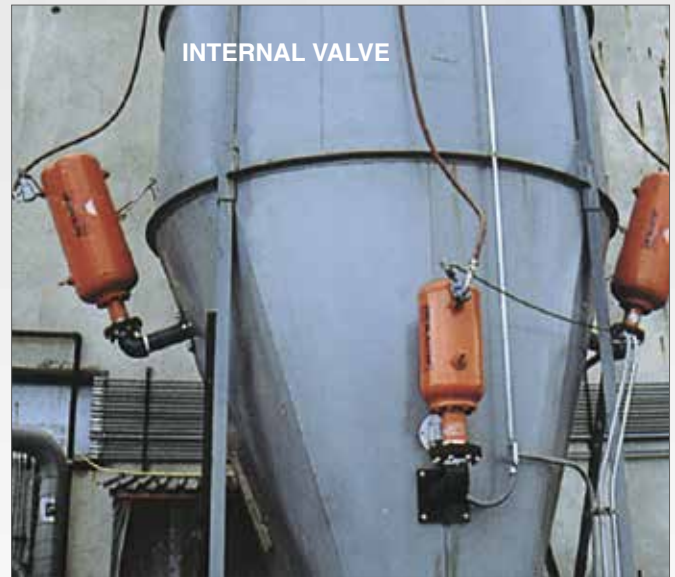
For handling challenging materials and oddly shaped bins, the following method comes to the rescue:

1. Identify the **material hang-up area** (the region where materials tend to stick).
2. Determine whether you are dealing with **Material Type A** or **Material Type B**.

MATERIAL TYPE A	MATERIAL TYPE B
Large chunks, high moisture content; clings to walls; will set up or harden when stored; weight in excess of 65-70 lbs. per cu. ft., or slope angles less than 30° with small discharge openings.	Dry, powdery, stringy or spongy, with material weight less than 60 lbs. per cu. ft., slope angles more than 45° and large discharge openings.

Now, refer to the appropriate column for your material type (Material A or Material B) and **find the blast area you need below**. Proceed to lay out the area of influence within the region to be blasted, ensuring that the areas of influence overlap in critical regions.

With these two methods, selecting the perfect VIBCO Air Cannon becomes a breeze, allowing you to optimize your operations and improve material flow efficiently.



AIR CANNON

## Technical Data - Blast Area

MODEL NO.	FREE AIR 80 PSI per Ft. <sup>3</sup> (L)	TEMP. RANGE °F (°C)		DISCHARGE SIZE NPT	MATERIAL A BLAST SPAN L' x D' (mm x mm)	MATERIAL B BLAST SPAN L' x D' (MM x MM)	MOUNTING KIT
		Standard	High Temp.				
ABS-1-5MB	0.1 (2.8)	200°F (93°C)	340°F (170°C)	1-1/4 NPT	2' x 1' (610 x 305)	2' x 2' (610 x 610)	MBM-1
ABS-1-1/2	.6 (17)	200°F (93°C)	340°F (170°C)	1-1/4 NPT	3' x 1' (915 x 305)	4' x 2' (1,220 x 610)	MBM-1-1/2ABS
ABS-2EV	3.3 (92)	200°F (93°C)	340°F (170°C)	2 NPT	4' x 2' (1,220 x 610)	7' x 3' (2,135 x 915)	MK2ABSEV
ABS-2-2EV	7.4 (210)	200°F (93°C)	340°F (170°C)	2 NPT	5' x 3' (1,525 x 915)	8' x 4' (2,440 x 1,220)	MK2ABS-2EV
ABS-4-2EV	7.4 (210)	200°F (93°C)	340°F (170°C)	4 NPT	6' x 4' (1,830 x 1,220)	9' x 5' (2,745 x 1,525)	MK4ABS-2EVM
ABS-4-4EV	19.2 (544)	200°F (93°C)	340°F (170°C)	4 NPT	7' x 4' (2,155 x 1,220)	10' x 5' (3,050 x 1,525)	MK4ABS-5EV
ABS-4-5EV	23.7 (670)	200°F (93°C)	340°F (170°C)	4 NPT	7' x 5' (2,135 x 1,525)	10' x 6' (3,050 x 1,830)	MK4ABS-5EV
ABS-4-10EV	50.8 (1438)	200°F (93°C)	340°F (170°C)	4 NPT	8' x 6' (2,440 x 1,830)	12' x 7' (3,660 x 2,135)	MK4ABS-10EV

# VIBRATION TABLES TESTING & GRID TOP



**TEST  
TABLE  
USTT**  
18", 24",  
30" & 36"

**MADE  
TO YOUR  
SPECS**



**TEST  
TABLE**



**GRID TOP TABLES  
(above & below)**  
Heavy duty steel tube  
and frame construction



## ANY SHAPE FOR ANY PURPOSE

Discover a World of Possibilities with VIBCO Vibrators! Our versatile and reliable vibration tables are custom-built to cater to all your industrial and construction needs. Whether it's settling materials for shipping or consolidating concrete, we have the perfect Vibrating Table solution just for you!

## WHY CHOOSE VIBCO VIBRATORS?

**Swift Delivery:** Say goodbye to long waits! Our US-TT and US-RD vibrating tables ship within 7-10 business days, unlike our competitors' 4-6 week lead times. Get the vibrating tables you want, precisely when you need them.

**Tailored Solutions:** We understand that one size doesn't fit all. That's why we offer custom-designed tables to meet your specific requirements. Our designs utilize strong yet lightweight rectangular tubing, ensuring optimal vibration transfer to the load.

## TEST TABLES FOR ULTIMATE PRECISION & EFFICIENCY

- Simulate Handling & Transportation Shocks
- Ensure Safe Handling with No Harm to Sensitive Circuits
- Remove Dangerous Residue for a Cleaner Environment
- Detect Marginal Connections with Inexpensive Full Range Control
- Verify Integrity of Electric Circuits & Complete Chassis
- Stop Costly Field Service Calls with Reliable Testing

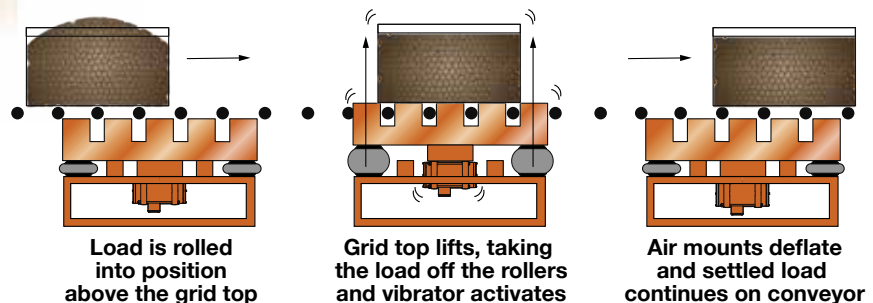
Our exclusive patented live top table design guarantees uniform vibration throughout the table top, ensuring consistency and reliability in testing. Choose from a wide range of variable and consistent frequency equipment, delivering low-cost and dependable product reliability testing. Check out our standard 24" x 24" x 36" high table or request a special table tailored to your unique needs. For more information, ask for VIBCO's complete test table brochure.

## EXPLORE GRID TOP TABLES

- Adapt to Any Roller Conveyor with Ease
- Robust Design for Maximum Efficiency
- Enjoy Automatic Operation for Seamless Performance

VIBCO's Grid Top Tables are the answer to your filling, packing, and weighing challenges. Our standard Grid Top Table features vibrators underneath, but we offer various solutions for weigh scale applications and vibrator placement to suit your preferences.

Our Grid Top Table is ingeniously designed to fit between your conveyor's rollers. Simply roll the load, foundry flask, drum, or box into position. Air mounts lift the grid top, taking the load off the rollers, while the vibrators go to work. Once the vibration process is complete, the air mounts deflate, and the load is back on the conveyor, ready to move along – all in a matter of seconds, without any manual handling required. See the process in the illustration below. VIBCO Vibrators. Experience efficiency, precision, and durability all in one place. Get in touch with us now!





# VIBRATION TABLES FOR COMPACTION, PACKING & MORE

## COMPACTION TABLES

VIBCO's range of innovative compaction tables are designed to meet the most demanding needs in material handling and processing. Our products are built to be heavy duty, versatile, and easily customizable to your specific requirements.

- **Heavy Duty Construction:** Our compaction tables are engineered to withstand maximum loads, ensuring long lasting performance under challenging conditions.
- **Speed and Force Adjustable:** Fine tune the vibration speed and force to precisely match your application, achieving optimal compaction results every time.
- **Work with a variety of Vibrators:** Versatility at its finest! Our tables can be equipped with either pneumatic, hydraulic or electric vibrators to suit your preferences and needs.
- **Vibration Isolation:** Say goodbye to unwanted vibrations! Our tables incorporate inflatable air mounts, rubber mounts, or springs to isolate vibrations from the frame, providing a stable and controlled environment.

**Applications include:** Packing & Settling, Concrete Casting, Fatigue Testing

## FLAT PLATFORM TABLES:

- **Low Profile Design:** With a working surface as low as 2 inches from the floor, our flat platform tables eliminate vibration transfer to the floor, providing a stable foundation.
- **Space and Cost Savings:** By packing more material per given volume, our low profile tables help save valuable space and reduce transportation expenses.

**Applications:** Ideal for Filling Machines, Low-profile design.

## LOW PROFILE PACKER:

- **Adjustable Brackets:** Our low-profile packer accommodates drums or boxes of different sizes, providing versatility in handling various materials.
- **Heavy Steel Top:** The durable steel top ensures a long-lasting surface, capable of withstanding constant use and heavy loads.
- **Safe and Efficient Operation:** Designed to remove dangerous residue and prevent vibration transfer, providing safer, more productive workspaces.
- **Easy to Use:** When equipped with a VIBCO vibrator, this packer may offer adjustable speed and force for handling a wide range of materials.
- **Secured to the Floor:** Built with runners to firmly secure the packer to the floor, providing stability during operation.

*VIBCO is committed to delivering the best compaction solutions tailored to your unique needs. Our team of engineers will work closely with you to design the perfect table that meets your specifications.*



**COMPACTION TABLE, With High Amplitude Mounts**



**COMPACTION TABLE**

**LOW PROFILE COMPACTION TABLE**



**LOW PROFILE COMPACTION TABLE**

## LOW PROFILE DRUM PACKER

*VIBCO's popular Drum Packer has an adjustable force and speed vibrator to handle a variety of materials. 115 volt makes it easy to move where needed and plugs into any available 115 volt outlet.*



**COMPACTION TABLE WITH:**  
With Explosion-Proof Style Vibrator and Custom Paint.

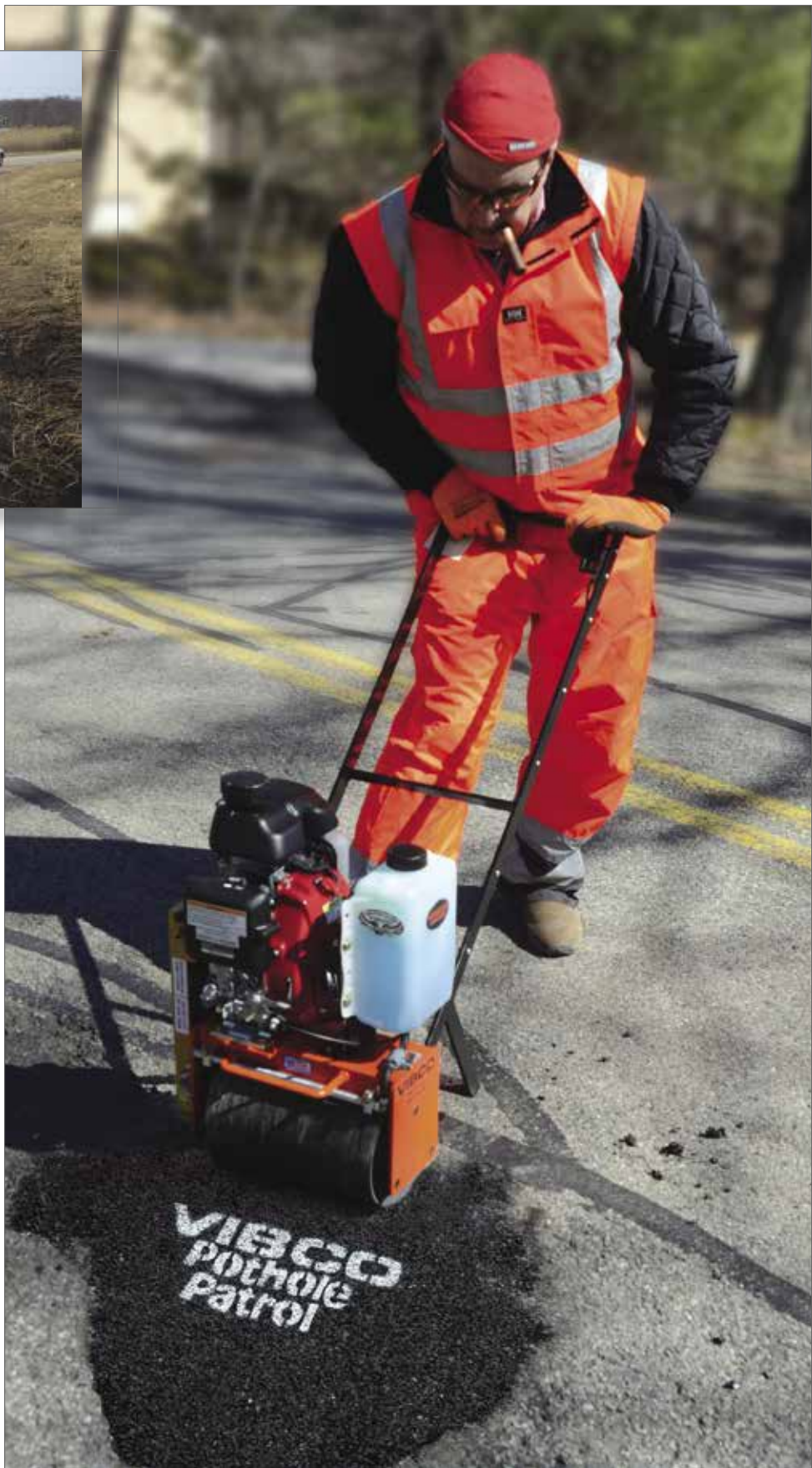
**MADE  
TO YOUR  
SPECS**

NOTE: Material, Dimensions & Data subject to change without notice.



# VIBCO CONSTRUCTION DIVISION ON THE JOB APPLICATIONS

*below: VIBCO CEO, Karl Wadensten, demonstrates the proper use and effectiveness of the GR 1600.*



*Above: A Model KA, Internal vibrator, with its patented Air-Saver design, gives high frequency, high force performance with the lowest air consumption.*

*Right & below: Our GR-1600 smoothly rolls the pothole filler material and thoroughly compacts it using vibration.*



# VIBCO CONSTRUCTION DIVISION

## INTERNAL CONCRETE VIBRATORS

### High Frequency Electric MODEL JVS, ACE, KAW

- Interchangeable Heads
- JVS Max Head Size 1-3/4"
- ACE Max Head Size 2"
- KAW Max Head Size 2-1/2"
- Heavy Duty Universal Motor
- Interchangeable Flexible Shafts
- Reversible Shafts for Double Life
- Expansion Shafts Available Up to 21 Ft.
- No large inverter box required - Plugs into any 115V socket



### Pneumatic MODEL KA

- Maintenance Free
- Only One Moving Part
- 1-3/8" to 6" Head Size
- Patented Wear Plate for Longer Life
- Patented Design • Job Proven for Over 40 Years
- Patented Air Saver Chamber for Lower Air Consumption



Ask for  
Catalog  
#9606

## PLATE COMPACTORS FOR ASPHALT OR SOIL

### Forward Operating MODEL TP

- Self Clean Plate
- 1500-4500 lbs. of Force depending on model
- Travels 100-110 ft./min. depending on model
- Available models include TP-10, TP-1220, TP-1830 and TP-2045



Ask for  
Catalog #9808

## POT-HOLE PACKERS & ROLLERS FOR ASPHALT AND SOIL COMPACTION



### GR-3200

- Better uphill traction
- Corrosion-resistant water sprinkler system
- Low-cost compactor for mid-sized jobs
- One year/1000 hour parts & labor warranty



### GR-1600

- One Man Operation
- Light 92 lbs
- Water Tank
- 1600 lbs Force
- 8" Compaction



Ask for  
Catalog  
#9808

NOTE: Material, Dimensions & Data subject to change without notice.



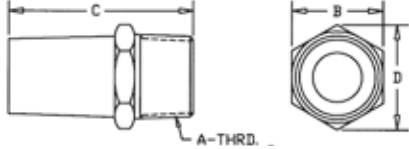
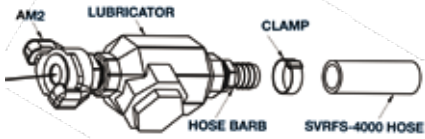

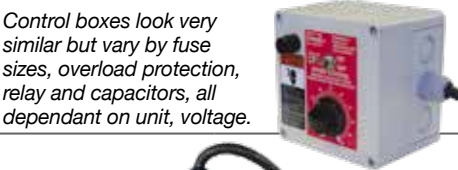


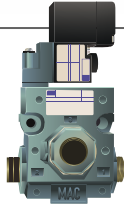
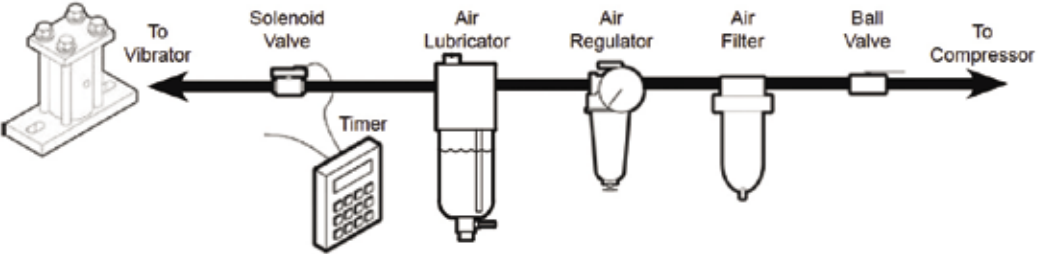


# VIBCO ACCESSORIES

## COMPLETE THE JOB

**A SMALL SAMPLE OF THE WIDE VARIETY OF PRODUCTS AVAILABLE.**

*If you need the appropriate parts for your vibrator, VIBCO offers "one stop shopping!"*

PRODUCT	MATERIAL	DESCRIPTION	PHOTO
<b>MUFFLER</b> A standard muffler silences noise created by the exhausting air and the ball V-bearing rolling in the race. VIBCO manufactures with single piece flow allowing us to give you any thread configuration - easy to accommodate exactly what you want.	Sintered Bronze Exhaust Muffler		
	Composite 3/8" NPT Poly-ethylene High Flow		
<b>LUBRICATORS</b> VIBCO can supply several different types of air lubricators depending on your specific needs. The sight glass shown at the front of the lubricator photo, right, reveals the oil level so you can see what is left in the reservoir.			
<b>CONTROL BOXES</b> Convenient speed control boxes and timer boxes help regulate VIBCO vibrators so that you get the best results and longest life from your units. VIBCO offers over 200 standard control boxes for our vibrators that are manufactured for individual models. Our engineers regularly design custom layouts to meet individual needs.			<p>Control boxes look very similar but vary by fuse sizes, overload protection, relay and capacitors, all dependant on unit, voltage.</p> 
<b>SMALL ELECTRIC VIBRATOR ELECTRICAL CORDS</b>	4 Feet	In SCR-100	
	5 Feet	In SCR-200	
	10 Feet	In DC-60 & 24V, SCR-60 & 230V, CE-60	
	8-10 Feet	In DC-100, DC-200, DC-300 DC-500, all in 24V	
	3 Feet	In SPR-20, SPR-21, SPR-40, SPR-60, SPR-80, all in 230V	
	3 Feet	In SPRT-21, SPRT-60, SPRT-61, SPRT-80, all in 230V	
	3 Feet	In SPWT-21, SPWT-60, SPWT-80, all in 230V	
<b>FILTER REGULATOR</b>	It is recommended that you use an air filter in the line. Clean air will prolong the life of any pneumatic vibrator. Dirty or moist air will harm the unit and impair it from operating at maximum efficiency and lowest air consumption. The operating pressure of the vibrator should not exceed 80 psi unless specially constructed for higher pressure standards by VIBCO. The operating temperature of the vibrator should not exceed 200oF (93oC). High temperature units are available.		
<b>SOLENOID</b>	A solenoid valve is an electrically controlled valve used to allow or prevent the flow of air through it. The basic principle of operation is a plunger that moves up and down based on the magnetic field generated from the electrical solenoid. This plunger either opens or closes an orifice that the air flows through.		
<b>CORRECT SEQUENCE</b>			

# VIBRATION 101

## CHOOSING THE CORRECT VIBRATOR

**When looking for a vibrator, you typically need to consider several factors to ensure that you choose the right tool for your needs.**

**Here are some key aspects to look for:**

### VIBRATION

Method: Contractors may choose between internal vibrators (also known as immersion or poker vibrators) or external vibrators.

Internal vibrators are inserted into the concrete mix, while external vibrators are attached to the outside of the concrete formwork. The choice depends on the specific application and the type of concrete being used.

### VIBRATION FREQUENCY & AMPLITUDE:

The frequency and amplitude of the vibrator are important considerations. Higher frequencies generally work well for

lower-slump concrete mixes, while lower frequencies are preferred for higher-slump concrete. Contractors select the appropriate frequency and amplitude based on the specific concrete project requirements.

### POWER SOURCE:

Vibrators can be powered by electricity, battery, or air. The power source preference depends on the availability of electricity or compressed air on the job site, as well as the desired portability and convenience.

### SIZE & WEIGHT:

The size and weight of the vibrator can impact its maneuverability and ease of use. Contractors often look for lightweight and compact models that are comfortable to handle and transport.

### DURABILITY & BUILD QUALITY:

Contractors want to invest in a vibrator that is built to last and withstand the demands of construction sites. They look for rugged construction, sturdy materials,

and reliable components that can endure the vibrations and tough conditions.

### ERGONOMICS & HANDLE DESIGN:

Comfortable ergonomics and a well-designed handle can enhance the user experience, reduce fatigue, and provide better control during operation. Contractors consider factors such as grip, handle shape, and vibration dampening features.

### NOISE & VIBRATION LEVELS:

Contractors may seek vibrators that generate lower noise and vibration levels to ensure a more comfortable working environment and comply with safety regulations.

### BRAND REPUTATION & WARRANTY:

Contractors often consider the reputation of the manufacturer or brand, as well as the warranty provided. A trusted brand with a good track record of customer support and reliable products is preferred.

### PRICE & VALUE FOR MONEY:

Cost is a significant factor in any purchase decision. Contractors evaluate the price of the vibrator in relation to its features, durability, and performance to determine if it offers good value for money.

### LET VIBCO HELP

Fill in the appropriate Data Inquiry Sheet, add a few photos showing the problem and Vibco will recommend the appropriate solution. Scan here to get to the Data Inquiry Sheets or go to: [https://www.vibcovibrators.com/data\\_inquiry.html](https://www.vibcovibrators.com/data_inquiry.html)



## ORDERING & SHIPPING INFORMATION

### MOUNTING SYSTEMS FOR BEST FORCE TRANSFER

At VIBCO, we take pride in providing an extensive array of top-notch mounting hardware and brackets, meticulously designed to accommodate any mounting configuration you require. Whether it's a straightforward installation or a complex setup, our products are tailored to suit your needs.

Don't hesitate to reach out to one of our highly experienced application engineers. They are ready to engage with you in a personalized consultation, guiding you towards the optimal mounting solution for your specific situation.

Embrace the power of precision and efficiency with VIBCO's mounting solutions. Contact us today and witness the difference firsthand!

### ALTERNATE BOLT PATTERNS TO FIT YOUR INSTALLATION

Experience seamless integration with VIBCO vibrators, designed to fit a wide range of mounting configurations. Reach out to our expert team at VIBCO to swiftly discover the perfect solution for attaching our superior units to your existing bracket. Our dedicated application engineers are eager to assist you in identifying the optimal mounting approach tailored to your specific needs. Don't hesitate to get in touch and take the next step towards maximizing the efficiency and effectiveness of your operations with VIBCO's top-notch vibrators.

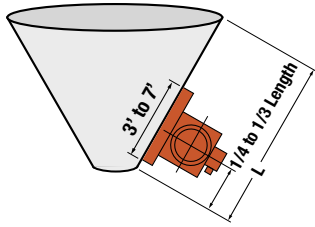
### SHIPPING PARTIAL SHIPMENTS, ESTIMATES

At VIBCO, we provide shipping cost estimates to assist you in planning your purchases. However, please note that these estimates are subject to change due to various factors such as fluctuations in gas and diesel prices, distances traveled, and other carrier charges. The shipping quote is intended as an approximation and may not reflect the final pricing.

To ensure prompt delivery of your equipment, VIBCO may arrange partial shipments as needed. If you prefer to have your entire order shipped together, kindly inform us, and we will accommodate your request to the best of our ability.

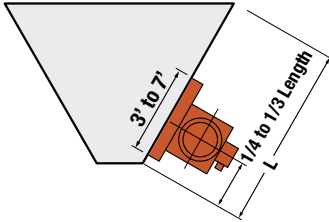


# MOUNTING VIBRATOR ON BINS



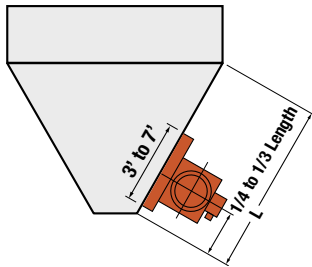
## 1. CONICAL HOPPERS:

Mount vibrator to hopper wall  $1/4$  to  $1/3$  the distance to the top. Should a second vibrator be necessary, it should be mounted diametrically opposite and approximately  $1/2$  way up the wall.



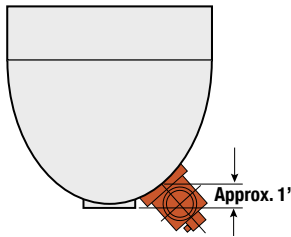
## 2. RECTANGULAR HOPPERS:

Mount as for conical hoppers on the centerline of one side. A second vibrator may be required if the complete cleaning of corners is desired. Mount as per paragraph 1.



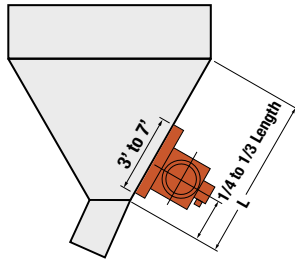
## 3. RECTANGULAR BINS WITH HOPPER BOTTOMS:

Usually requires a larger force vibrator than above situations because of additional "head" load of material. Locate vibrator  $1/4$  to  $1/3$  distance of sloping section and mount as in paragraphs 1 & 2.



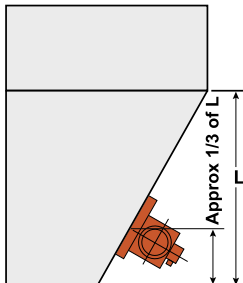
## 4. PARABOLIC BINS OR HOPPERS:

Mount vibrator within 1 foot of each discharge opening and in-line with center of opening.



## 5. BINS WITH SLOPING CHUTE DISCHARGE:

Vibrator is mounted  $1/8$  to  $1/6$  up the bin wall that is contiguous with the underside of the chute. This lower mounting position puts vibrator close to bin discharge throat and assures vibration transference into chute.



## 6. BIN OR HOPPER WITH VERTICAL SIDE:

Mount vibrator on wall with least slope in similar manner as with Example 3 (page 79), rectangular bins with hopper bottoms.

For instructions on stiffening of bins and mounting procedures ask for Vibrator Mounting Instructions.

NOTE: for other applications not covered here please consult factory for recommendations. This is a free service and without obligation to you after the purchase of a VIBCO vibrator.

# HOW TO SELECT THE PROPER VIBRATOR IN 3 EASY STEPS

1. DETERMINE NEEDED VIBRATOR FORCE FOR YOUR APPLICATION
2. FIND AVAILABLE VIBRATOR MODELS
3. SELECT ELECTRIC, PNEUMATIC OR HYDRAULIC OPERATION.

## 1. DETERMINE NEEDED VIBRATOR CENTRIFUGAL FORCE (IMPACT) FOR YOUR APPLICATION

### A. BINS, HOPPERS

To move the material in a bin or hopper, the friction between the material and the bin skin has to be broken. Once this is done the material cannot cling to the bin sides and it will flow out through the discharge. The vibrator force needed to accomplish this, is for 80% of all applications, very simply calculated as follows:

Calculate the weight of the material in the transition or *sloping part of the bin*. Normally this is the only place where the friction between the material and the bin sides has to be broken. DO NOT CALCULATE THE TOTAL WEIGHT, ONLY WHAT IS IN THE TRANSITION PART.

For CONICAL BINS, calculate as follows:  $.261 \times \text{dia.}^2 \times \text{height} \times \text{material density in lbs/cu. ft.}$

For RECTANGULAR BINS,  $\text{length} \times \text{width} \times \text{height} \times 1/3 \times \text{material density.}$

When the weight has been calculated, divide by 10. The figure you get is the force or impact needed on your vibrator \_\_\_\_\_ lbs. Continue with paragraph 2.

For example: The conical part of a 25 ton bin contains 7000 lbs. Divide 7000 by 10, you need a vibrator with 700 lbs. of centrifugal force or impact. Find suitable vibrator under Paragraph 2.

NOTE: Additional considerations when sizing vibrator to bins.

1. If bin side angle is below 30°, select next larger vibrator.
2. If bin thickness is extra heavy (see table under section 2), select next larger vibrator.
3. On real sticky and hard to move materials, it is better to use two (2) small vibrators instead of a large one (find the smaller one by figuring half the material weight.)

### B. VIBRATING TABLES

#### 1. PACKING MATERIAL

Dense materials respond best to high frequency vibration (3600 RPM or more) while light, fluffy or flaky materials respond best to low frequency vibration (1800 RPM or less).

For packing or settling materials, use a vibrator with an impact force of 1.5 to 2 times larger than the weight of the material plus container. Find suitable vibrator under Paragraph 2.

### C. VIBRATING SCREENS

Rule of Thumb: for self-cleaning screen use a vibrator with a centrifugal force (impact) four (4) times the weight of the material plus the weight of the screen.

NOTE: Coarse and lumpy materials respond best to 3600 VPM (vibrations per minute), powdery and dry materials, 1800 VPM, sticky and wet materials, over 3600 VPM.

### D. CONSOLIDATING CONCRETE

Rule of Thumb: For 3" "slump" concrete use a vibrator with the same force (impact) as the weight of concrete and form. For 1-2" slump concrete, an additional 30-50% impact is needed. For dry mixes (0-slump) add 100-200%.

NOTE: FOR ADDITIONAL SIZING INFORMATION, SEE PAGES 66 for suitable brackets.

Find suitable vibrator under PARAGRAPH 2, SEE PAGE 78. Ask for Bulletin 0103 and 8401.

E. RAILROAD CARSHAKERS: SIZING, SEE PAGES 58-60.

F. MATCH PLATE - FOUNDRY: SIZING, SEE PAGES 20-21.

G. FOR SPECIAL APPLICATIONS AND QUESTIONS CONTACT VIBCO FOR FREE RECOMMENDATION.



# VIBRATOR SELECTION (cont.)

## 2. FIND AVAILABLE VIBRATOR MODELS

From the table below, draw a line across from the force calculated in paragraph A. You will find you have a choice of several vibrators, both electric, pneumatic and hydraulic models. List them below and continue with EXAMPLE 3.

MODEL: \_\_\_\_\_

To continue with the example - 700 lbs. of vibrator force is needed. Draw a line straight across from 700 lbs. The line will cross the force ranges of suitable vibrators: Electric Models 2P-450; 2P-800; 4P-700; 4P-1000; US-900; SCR-1000; and Pneumatic Models BVS & VS-380; BV & V-380; 50-2L; 50-2LS; PF-800. Now continue with EXAMPLE 3 to make final selection.

Vibrator Force or Impact lbs.	ELECTRIC MODELS										PNEUMATIC MODELS				HYDRAULIC MODELS		Bin Skin Thickness, Max
	2P page 42-43	4P page 44-45	6P page 44-45	8P page 44-45	SPR page 40-41	US page 46-47	SFC page 51	FC page 51	SCR page 38-39	TURBINE page 8-21	BALL page 22-23	PISTON page 24-29	SVR page 32	BIG BUSTER page 34-35	HYDRAULIC page 34-35	BIG BUSTER page 34-35	
10																	20 Ga.
20					SPR 20 & 21				SCR -50/60	BVS-60, VS, BVS-100							20 Ga.
40	2P-75				SPR 40				SCR-100	BVS-130 VS, BBS-130							1/16
60					SPR 60					BV-60, BB, V-100							1/8
80	2P-100				SPR 80	US-100		FC-100		BV-130, BB, V-130					B-130		3/16
100							SFC-100										1/4
150																	5/16
200	2P-200	4P-350	6P-300			US-450	SFC-300			BBS-160							5/16
300										BVS-190, VSI90							3/8
400										BVS-250, VS-250	BVS-160						3/8
500	2P-450									BVS-320, VS-320	BVS-190, V-190						7/16
600										BV-250, V-250	BVS-160						7/16
700										BV-320, V-320							1/2
800																	1/2
900																	1/2
1000																	1/2
1200																	1/2
1400																	3/4
1600																	3/4
2000																	3/4
2500																	1
3000																	1
3500																	1-1/4
4000																	1-1/4
4500																	1-1/4
5000																	1-1/4
6000																	1-1/4
7000																	1-1/4
8000																	1-1/4

### 3. SELECT ELECTRIC, PNEUMATIC or HYDRAULIC OPERATION

#### ELECTRIC VIBRATOR MODEL SELECTOR

ELECTRICAL DATA	MODEL								
	2P	4P	6P	8P	SPR	US	SFC	FC	SCR
115 volt 1 phase	X	X	X	X	X	X	X	X	X
230 volt 1 phase	X	X	X	X	X	X	X	X	X
Any voltage, 3 phase	X	X	X	X			X	X	
50 cycles	X	X	X	X	X	X	X	X	X
Continuous duty	X	X	X	X	X	X	X	X	X
Intermittent duty						X			
More than 20 stops & starts per hour. 3 phase ONLY	X	X	X	X			X	X	
More than 20 stops & starts per hour. 1 phase*	Z	Z	Z	Z	X	X	Z	Z	
Totally enclosed	X	X	X	X	X	X	X	X	X
Outside fan cooled							Z	X	
Open Construction					Z	Z			
Built in overload protection. 1 phase	X	X	X	X	X	X	X	X	X
Adjustable speed					Z	X			X
Adjustable eccentric	X	X	X	X	Z	X	X	X	X
Decibel at 3' on A scale	60	60	60	60	48	90	62	62	65
* 30 starts max. 2P-200 and larger. 2P-75-1 and 2P-100-1 for run times longer than 10 sec., use 1:1 ratio.									
APPLICATION									
Outside	X	X	X	X	X	X	X	X	X
Water splash	X	X	X	X	X	X	X	X	X
Powder in air, dry	X	X	X	X	X	X	X	X	X
Powder in air, sticky**	X	X	X	X	X	X	X	X	X
Powder in air metallic**	X	X	X	X	X	X	X	X	X
High temperature	Z	Z	Z	Z			Z	X	X
Bins with coarse material	X	X	X	X	X	X	X	X	X
Bins with fine material	X	X	X	X	X	X	X	X	X
Bins w/lumpy or sticky mtl	X	X	X	X	X	X	X	X	X
Bins with stringy material		X	X	X	X	X	X	X	X
Bins w/powdery & sticky mtl		X	X	X	X	X	X	X	X
Packing coarse material		X	X	X	X	X	X	X	X
Packing fine material	X	X	X	X	X	X	X	X	X
Stringy-fluffy material.			X	X					
Concrete	X					X			X
Screens		X	X	X					X
Chutes, plates & bowl feeders	X	X	X	X	X		X	X	X
* * May require explosion proof unit Z - See Instruction manual covering the model line shipped with vibrator or Consult VIBCO									

#### PNEUMATIC VIBRATOR MODEL SELECTOR

ELECTRICAL DATA	PNEUMATIC					
	Turbine	Ball	Piston	SVR	SVRS	Big Buster
Decibel at 3' on A scale*	72-78	85-95	90-95	95-105	80-85	80-90
Air Consumption**	2	3	1	6	5	4
Repair Cost**	1	3	2	4	5	6
Maintenance Cost**	1	3	2	4	5	6
Purchasing Cost	2	3	1	4	5	6
Patented Design	X			X	X	X
Lubrication Required		X	X	X	X	X
No Lubrication Required	X					
Requires Clean Air			X	X	X	X
Tapped Exhaust for leading away exhaust air	X	X	X		Z	X
High Temp		X				
Steam Pressure cleaning	X	X		X		
Concrete Application	X			X	X	
* Average Reading ** Lowest Number is best (Example: Piston lowest in air consumption, then Turbine, Ball, Big Buster, SCRS & SVR)						

#### GENERAL COMMENTS:

In general, electric vibrators are initially higher in cost than pneumatic vibrators; however, the operation cost is considerably less and the difference in price and installation cost is recaptured in a few months of operation. The electric units have the lowest noise readings, 60-70 dB, no more sound than an electric motor. The life expectancy is 2-3 times that of an air operated unit. The life of an air operated unit is, to a great extent, determined by the cleanness of the compressed air and the operating pressure. Maximum operating pressure is 80 PSI. Above 80 PSI, the life of the pneumatic vibrator diminishes rapidly. The dBA reading on piston vibrators is 80-110, on ball vibrators, 80-115. For a dBA reading of 60-80, choose a Turbine Vibrator for best results (some SVRLS models also have the lower dBA readings). The least air consuming are the piston vibrators, then the turbine, ball and SVR high frequency vibrators. As a general rule: for standard applications, limit your selection of vibrators to the SCR Electric Vibrator Line and the Turbine Pneumatic Vibrators. They will give you the latest in vibration technology and design with the lowest noise, the best life, the least maintenance, and the lowest energy consumption.

The hydraulic vibrators are fast gaining acceptance but still primarily used on OEM equipment for food and related products.

For additional selection considerations, see table for electric vibrators and pneumatic vibrators located on this page. Also look up the pages for each specific vibrator for additional information.

To continue with our example: **Choose electric model 2P-450 or 2P-800** if bin contains fine granular material (see also page 42-43): **4P-700 or 4P-1000** if bin contains lumpy or stringy material (page 44-45): **US-900** if bin contains light, powdery or real sticky material (cement, concrete, molasses, etc., page 46-47); **SCR-1000** (page 38-39) when different materials are used in the bin and different frequencies or forces are needed. For additional considerations, also see "Electric Vibrator Model Selector" table on this page.

When choosing a pneumatic vibrator, see table on this page "Pneumatic Vibrator Model Selector". The turbine BVS and VS-380 (page 8-11) is quiet, meeting or exceeding OSHA, has low maintenance cost, and needs no lubrication, (all other pneumatic vibrators need lubrication).

Difference between BVS and VS: In BVS, the air exhaust is threaded allowing connection of a hose or pipe; permitting the exhaust air to be exhausted outside work area; or used with different mufflers. To exhaust the air into the atmosphere (where the vibrator is mounted) most VS units have a built-in muffler or threaded exhaust for a muffler.

Ball vibrators BV-380 or V-380 (page 22-23): Noise level increases rapidly as ball and race wears. Use in high temperature applications. Difference between BV and V is the same as with BVS and VS.

Piston models 50-2L and 50-2LS are used for low cost and low air consumption (must be lubricated). Pistons are preferable on feeders and packing tables. Comes in silent (non-impacting) and non-silent (impacting) models, (page 24-25).

Big Buster, PC-3500 is primarily used for railroad car shakers where a high intermittent force is needed (pages 34-35, 58-59).

# A WIDE SELECTION OF ELECTRIC, PNEUMATIC,

**FORCE**   20   40   60   80   100   150   200   300   400   500

## ELECTRIC

### SMALL IMPACT LINE (pages 40-41)

SPR, SPRT, SPRWT			
20	40	60	80



SPR



SPRT



SPWT



SCR-100

### SCR ADJUSTABLE SPEED & FORCE (pages 38-39)

				SCR-300	SCR-400	
SCR-50	SCR-100	SCR-200	SCR-350	SCR-500		

### 2P, 4P HEAVY DUTY LINE (pages 42-45)

2P-75	2P-100	2P-150		
		4P-350		
			2P-200	
			4P-600/700	

### SFC & FC (page 51)

SFC-100	SFC-300, FC-100	FC-300
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### US-HIGH FREQUENCY LINE, DC-12 VOLT DC BATTERY OPERATED (pages 46-47)

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



## PNEUMATIC

### SILENT TURBINE VIBRATORS (pages 8-21)

BBS, FBS, VS-100, BVS-60	BBS, FBS, VS, BVS-130	VS, BVS-160	VS, BVS-190	VS, BVS-250
		BBS-160	BBS-190	

BBS-160



### BALL VIBRATORS (pages 22-23)

BB-100, V-100, BV-60	BB, V, BV-130	BB-160	BB, BV, V-190	BV, V-250	BV-320
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V-130



### PISTON VIBRATORS (pages 24-29)

10-5/8	10-3/4	10-1	50	10-1-1/4	50, 55-1-1/4	50, 55-1-1/2
		55-1, 1-1/4S		50, 55-1-1/2S		50-1-1/2L, LS



### HIGH FREQUENCY (pages 30-33)

### BIG BUSTER PNEUMATIC (pages 34-35)

## HYDRAULIC

(pages 34-35)

B-190





















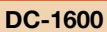








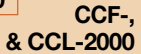
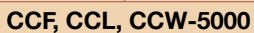

















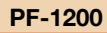
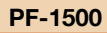







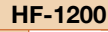


B-250

Follow selected vibrator force line vertically to select the correct vibrator to meet your force needs. Material, Dimensions & Data subject to change without notice. Some Values approximated.



# AND HYDRAULIC VIBRATORS FROM VIBCO

560    600    700    800    900    1000    2000    3000    4000    5000

 <b>SCR-1000</b>									
 <b>2P-100</b>									
 <b>2P-450</b>									
 <b>2P-5500</b>									
 <b>2P-800</b>									
 <b>2P-1700</b>									
 <b>2P-2500</b>									
 <b>2P-4500</b>									
 <b>4P-1000</b>									
 <b>4P-1400</b>									
 <b>4P-3000</b>									
 <b>4P-5000</b>									
 <b>US-450</b>									
 <b>US-1600</b>									
 <b>DC-3500</b>									
 <b>US-700</b>									
 <b>US-900</b>									
 <b>US-1600</b>									
 <b>DC-700</b>									
 <b>DC-900</b>									
 <b>DC-1600</b>									
 <b>DC-3500</b>									
 <b>VS-320</b>									
 <b>BVS-570</b>									
 <b>CCF-5000</b>									
 <b>VS, BVS-320</b>									
 <b>VS, BVS-380</b>									
 <b>VS, BVS-510</b>									
 <b>BVS-570</b>									
 <b>CCF-, &amp; CCL-2000</b>									
 <b>CCF, CCL, CCW-5000</b>									
 <b>BV, V-320</b>									
 <b>BV, V-380</b>									
 <b>55-2</b>									
 <b>50-3</b>									
 <b>SVRLS-5500</b>									
 <b>SVRFS-5500</b>									
 <b>50-2L</b>									
 <b>50,55-3S</b>									
 <b>50-3L</b>									
 <b>50, 55-2S</b>									
 <b>50, 55-3</b>									
 <b>50-3LS</b>									
 <b>PC-3500</b>									
 <b>SVR, SVRLS-4000</b>									
 <b>SVR, SVRLS-5500</b>									
 <b>SVR,SVRLS-6500</b>									
 <b>PF-800</b>									
 <b>PF-1200</b>									
 <b>PF-1500</b>									
 <b>PF, PC-3500</b>									
 <b>B-320</b>									
 <b>HLF-700</b>									
 <b>HLF-1300</b>									
 <b>HF-800</b>									
 <b>HF-1500</b>									
 <b>HL-3000</b>									
 <b>HF-1200</b>									
 <b>HC, HF-3500</b>									
 <b>HLF-700</b>									

FOR VIBRATOR FORCE OR IMPACT IN LBS., SEE PAGES 78-79

# CONSTRUCTION & INDUSTRIAL APPLICATIONS



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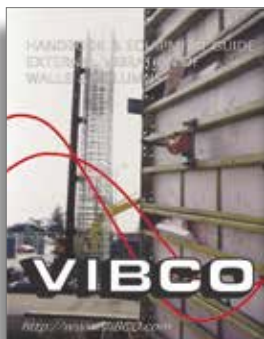
## HANDBOOK AND EQUIPMENT GUIDE: External Concrete Vibration

- ▶ How-to-Booklet
- ▶ Application Photos
- ▶ Selection & Locating Guide
- ▶ Catalog #8401



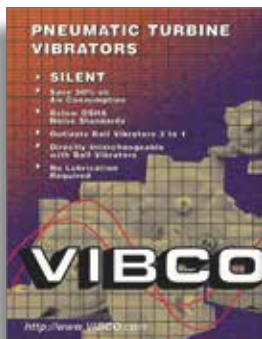
## HANDBOOK AND EQUIPMENT GUIDE: Vibration of walls and Columns

- ▶ How-to-Booklet
- ▶ Engineering Data
- ▶ Application Photos
- ▶ Catalog #0103



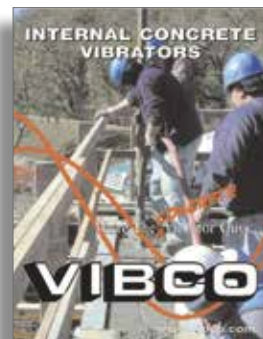
## PNEUMATIC TURBINE VIBRATORS

- ▶ Silent Operations
- ▶ No Lubrication
- ▶ Longer Service Life
- ▶ Catalog #9127



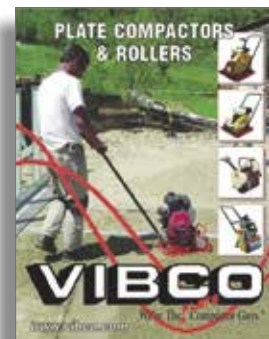
## INTERNAL CONCRETE VIBRATORS

- ▶ Electric 3/4, 1, 1-3/8" to 2-1/2" Head Size
- ▶ Interchangeable Head and Shaft
- ▶ Pneumatic 1-3/8" to 6" Head Size
- ▶ Catalog #9606



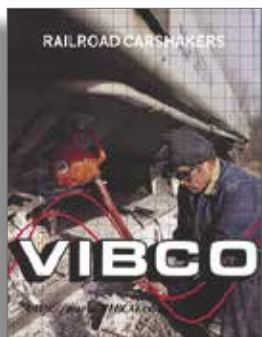
## PLATE COMPACTORS & ROLLERS

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- ▶ Rollers in sizes of 12", 24" and 36"
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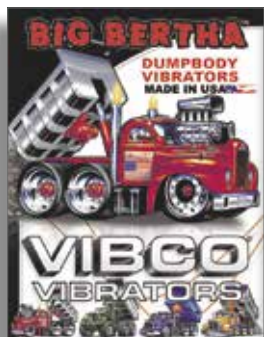
## RAILROAD CAR SHAKERS

- ▶ Largest Line, Light and Portable
- ▶ Electric, Pneumatic or Hydraulic
- ▶ Silent Models
- ▶ Catalog #9126



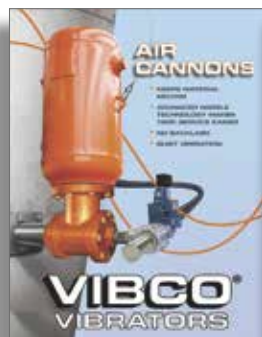
## BIG BERTHA: Dump Body Vibrator

- ▶ Dump Body Vibrators
- ▶ How-to-Select Guide
- ▶ Drawing and Dimensions
- ▶ Catalog #BB08919



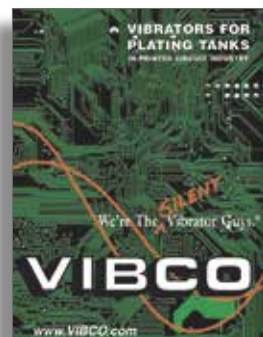
## AIR CANNONS

- ▶ Patented Dual Piston Design
- ▶ Uses Normal Plant Air
- ▶ Install in any position
- ▶ Catalog #CAT-P-AC-09919



## VIBRATORS FOR PLATING TANKS

- ▶ Designed for Printed Circuit Industry
- ▶ Electric & Pneumatic Models
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## VIBRATING TABLES

- ▶ Density & Compact Materials in Bags, Carton Etc.
- ▶ Fatigue & Quality Control Testing
- ▶ Custom Tables
- ▶ Catalog #7902



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### HAVE IT YOUR WAY

With a legacy spanning decades as “The Expert Vibrator Guys”™, VIBCO continues to raise the bar in the industry. Our extensive catalog boasts over 1800 standard products, each carefully crafted to meet the highest quality standards. From small-scale applications to large industrial projects, we have a vibrator solution for every need.

### ENVIRONMENTALLY CONSCIOUS MANUFACTURING:

At VIBCO, we take our environmental responsibilities seriously. That’s why we employ environmentally friendly paints and manufacturing techniques, reducing our carbon footprint while ensuring our products are safe for both users and the planet. Our commitment to sustainability extends to our machine shop, where we have implemented a first-rate recycling program, minimizing waste and promoting eco-conscious practices.

### CUSTOM VIBRATORS FOR SPECIALIZED ENVIRONMENTS:

While our catalog showcases an array of standard products, we take pride in our ability to customize vibrators to your unique specifications. No matter how specialized your environment is, VIBCO can tailor its vibrators to deliver optimal performance. Whether you’re operating in the food, chemical, pharmaceutical, or other industries requiring sanitary conditions, our unique VIBCO Vibrators are designed to excel.

### SPECIAL COATINGS AND HOUSINGS:

To further cater to your specific needs, we offer a range of special coatings and housing options. Our Bakers enamel, Poly, and Stainless Steel coatings provide enhanced durability and protection, ensuring our vibrators stand the test of time even in challenging environments.

### VERSATILE VIBRATOR OPTIONS:

Our commitment to meeting diverse requirements is reflected in our vibrator options. From adjustable speed and force to heavy duty, high frequency, and explosion-proof models, our electric vibrators offer unrivaled versatility. Enclosed and weather-resistant, they operate flawlessly in any condition, ensuring the smooth flow of bulk materials through bins, hoppers, chutes, and more.

### ROBUST PERFORMANCE:

When it comes to longevity and durability, VIBCO electric vibrators outperform their air-operated counterparts by two to three times, even in the harshest conditions, including corrosive environments. This translates to lower maintenance costs and increased productivity for your operations.

### COMPREHENSIVE PRODUCT RANGE:

Beyond our standard electric vibrators, our catalog encompasses hydraulic and pneumatic vibrators, catering to various industrial needs. VIBCO hydraulic vibrators are ideal for heavy duty applications in wet, muddy, or dusty conditions, boasting trouble-free operation and reducing maintenance and labor expenses. On the other hand, our virtually silent VIBCO pneumatic turbine vibrators revolutionize workplace safety, virtually eliminating the noise typically associated with vibrators.

### SPECIALIZED EQUIPMENT SOLUTIONS:

In addition to our renowned vibrators, we offer a range of specialized equipment solutions, including Plate Compactors, Rollers, and Vibrating Tables. From landscape maintenance to consolidating concrete, our high-quality equipment ensures optimal performance, all with the shortest lead times in the industry.

### ENHANCING MATERIAL FLOW:

Our VIBCO Air Cannons provide an innovative solution for fluidizing material in bins and silos. With compressed air release on command, they effectively break up material blockages, enhancing productivity and efficiency in material handling processes.

### EXCEPTIONAL CUSTOMER SUPPORT:

At VIBCO, we prioritize your satisfaction. Our friendly and knowledgeable customer service agents are available to assist you from 7:30 am to 8:00 pm EST, ensuring you receive prompt and helpful assistance. Our 24/7 technical support guarantees you have the support you need, exactly when you need it.

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We understand the importance of timely delivery for your projects. That’s why we ensure efficient order processing and shipping. All of VIBCO’s standard products are available to ship the same day or very next day upon receiving your order. Count on us to deliver your vibrators and equipment promptly, so you can keep your operations running smoothly.

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