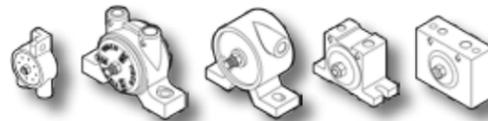




VIBCO INSTRUCTION MANUAL

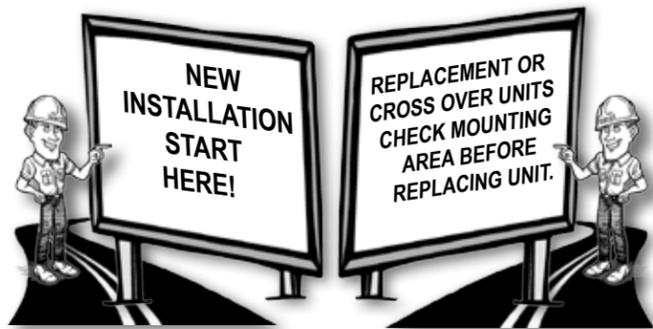


Turbine Vibrators

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1 START

THANK YOU FOR CHOOSING A VIBCO VIBRATOR!



2 MOUNTING INSTRUCTIONS CHECKLIST

! The warranty is void if vibrator is not properly installed. During installation follow and check off the following steps and your vibrator should provide you with years of trouble-free service.

- Determine length of channel iron.
- Select thickness of mounting plate & method of mounting.
- STITCH** weld mounting plate to channel iron.
- Determine vibrator placement on bin.
- STITCH** weld channel iron to bin.
- Place vibrator on mounting plate. Check the mounting plate for warping. Secure firmly.
- Install safety chain or wire.
- Connect pneumatics.
- FILL OUT WARRANTY CARD!!!!**

DON'T FORGET TO MAIL IN YOUR WARRANTY CARD!



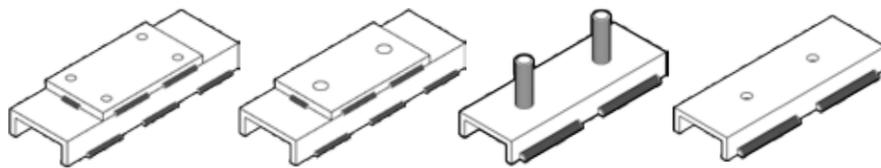
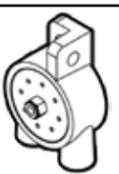
ADDITIONAL DETAILS AVAILABLE ONLINE AT www.vibco.com

3 MOUNTING PLATES & CHANNEL IRONS

YOU MUST STITCH WELD MOUNTING PLATE & CHANNEL IRON! NEVER CONTINUOUSLY WELD. STOP WELDS 1" FROM ENDS TO PREVENT CRACKING.

CORRECT MOUNTING PLATES	
Lbs. of force	Plate thickness
Up to 100 lbs.	1/4" plate
100 to 500 lbs.	3/8" to 1/2" plate
over 500 lbs.	1/2" plate

Flange style mounting requires only one bolt to mount. Mounting locations will vary depending on application.



Drill/tap holes or use studded plate

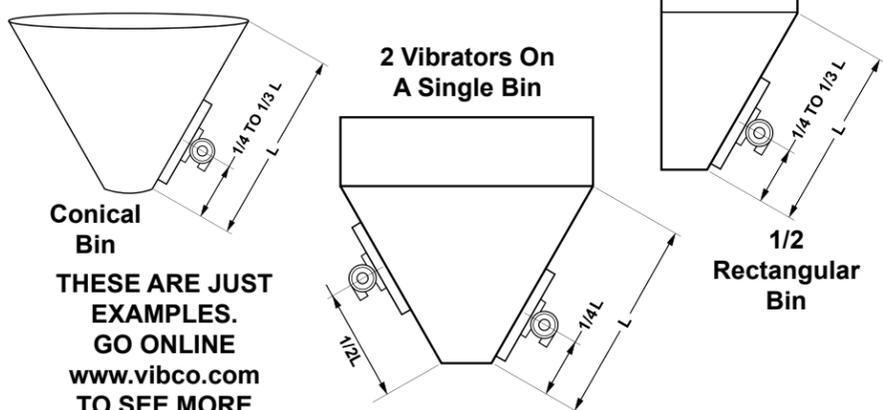
SUGGESTED CHANNEL LENGTH		
Lbs. of force/bin wall thickness	Channel iron width	Channel iron length
up to 100 lbs / bin wall < 3/16" (thin)	3" channel iron	18" to 36" on both sides of vibrator
up to 500 lbs. / bin wall = 3/16" to 1/4"	4" channel iron	3" to 4" on both sides of the vibrator
over 500 lbs / bin wall = 3/8" to 1/2"	4" channel iron	6" to 8" on both sides of the vibrator



NEVER PLACE VIBRATOR DIRECTLY ON SKIN OF BIN OR HOPPER!



4 VIBRATOR PLACEMENT



5 RESTRAINT



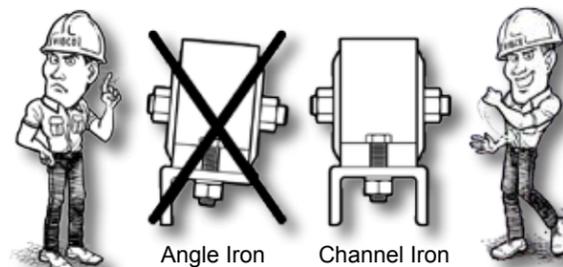
ALWAYS INSTALL SAFETY CHAIN

Mount one end to the vibrator and the other to the hopper or bin **above** the vibrator **NEVER ATTACH CHAIN TO THE MOUNTING PLATE**

6 MOUNTING OF VIBRATOR



DAMAGE TO THE BIN AND THE VIBRATOR CAN OCCUR IF NOT MOUNTED SECURELY.

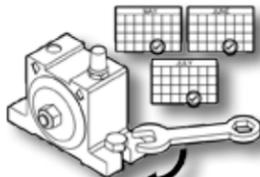


MOUNTING PLATES, CHANNEL IRON & ACCESSORIES AVAILABLE FROM VIBCO OR LOCAL DEALER

7 BOLTING PROCEDURE

GRADE 5 BOLT SIZE	MAX TORQUE ft-lbs
1/4"	13
5/16"	25
3/8"	48
1/2"	115
5/8"	145

Make sure the vibrator is secured tightly. Retighten after the first 10 -15 minutes of operation & check them periodically to maintain proper tightness.



Remember to check those bolts!

Be sure surfaces are smooth, flat & free of any debris.

8 AIR HOSE

TAPERED THREADS!! DO NOT OVER TIGHTEN FITTINGS. **!**

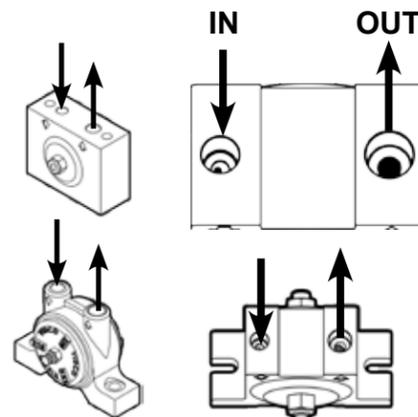
TO DETERMINE CORRECT AIR HOSE SIZE**			
TURBINE MODEL NUMBER	MIN AIR HOSE DIA	MIN FR* THREAD DIA	CFM
100 - 130	1/8"	1/4"	4 - 6
160 - 250	1/4"	1/4"	7 - 10
320 - 380	3/8"	3/8"	10 - 18
440 - 510	1/2"	1/2"	18 - 21
570	3/4"	3/4"	21 - 30

* F=filter R=regulator
** these specs for installation of single unit; for multiple units, adjust to maintain CFM

9 INPUT/OUTPUT

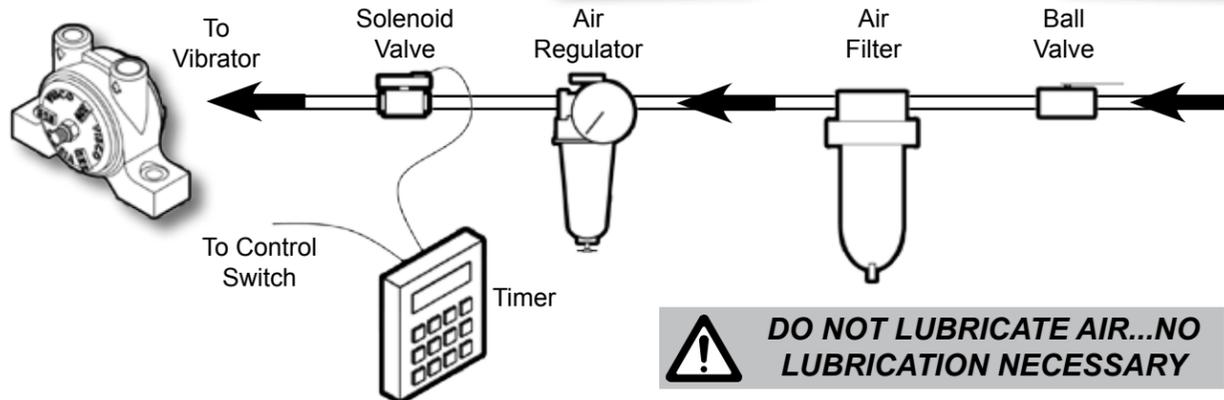


On BVS, BBS, MLT & MHI models, the smaller **INNER** port is the air inlet and the larger **INNER** port is the exhaust.



10 PNEUMATIC HOOK-UP

ALL ACCESSORY ITEMS AVAILABLE FROM VIBCO

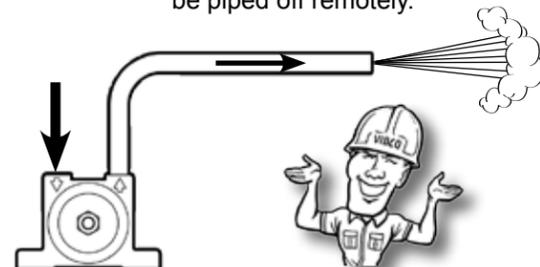


DO NOT LUBRICATE AIR...NO LUBRICATION NECESSARY

11 AIR DISCHARGE

Clean or Sanitary Environments:

Models BVS, MLT & MHI are equipped with a threaded exhaust port to allow for exhaust air to be piped off remotely.





VIBCO INSTRUCTION MANUAL

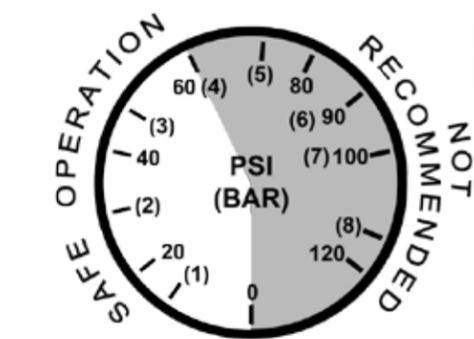


Turbine Vibrators

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12 OPERATION SPECIFICATIONS

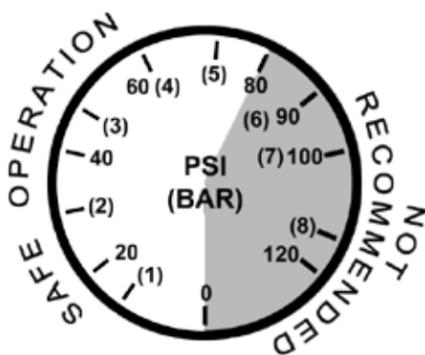
Maximum Air Pressure



Not Recommended
 Safe Operation



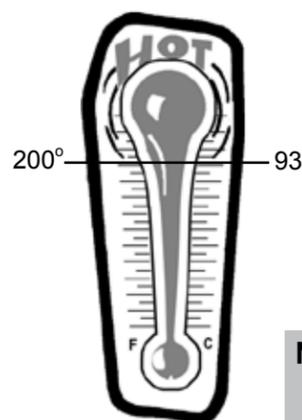
Operating pressure should **not** exceed **60 psi** for BVS-60, VS-100 and MLT-100 units.



Operating pressure should **not** exceed **80 psi** for all units **excluding** BVS-60, VS-100 and MLT-100 units.

Maximum Temperature

The operating temperature of the vibrator should not exceed 200°F (93°C).



NOTE: High temperature units are available. Give VIBCO a call today!
800-633-0032

800-633-0032 for Mounting Plates & Brackets, Spare & Replacement Parts and 24/7 Technical Support

13 TROUBLE SHOOTING

The Vibrator Won't Start!

1. Check for dirt in the airline OR inlet opening.

NOTE: The ports are venturi tubes.

2. Check for dirt or debris clogging the exhaust muffler.

3. Double check the size of your air line - is it large enough to give you the correct cubic feet per minute (CFM) and correct air pressure (minimum required = 20 PSI)?

4. Double check to see if the air line is connected to the correct port (see #9).

NOTE: Bearings may require a short "break-in" period to run at optimum VPM stated in catalog.

**YOU CAN FIND
ADDITIONAL
DETAILS &
INSTRUCTIONS
ONLINE AT
www.vibco.com
(look for *Service and Support* link
on homepage)**

ADDITIONAL DETAILS AVAILABLE ONLINE AT www.vibco.com

Warranty

All warranty claims must be submitted to VIBCO for approval prior to any repairs being done. Failure to do so will void any and all warranty coverage. All repairs will be done at the VIBCO factory.

Errors, Shortages & Complaints

Complaints concerning goods received or errors should be made at once. Claims must be made within five days after receipt of goods. Clerical errors are subject to correction. Damage during shipping must be reported to the carrier, not VIBCO.

Returning Parts **

Parts should not be returned to VIBCO without prior authorization. Call VIBCO's customer service department at 800-633-0032 (800-465-9709 in Canada) for a Return Goods Authorization (RGA) number. A return authorization will be emailed or faxed to you. Use this as your packing slip. Return shipping must be prepaid. Material returned may be subject to a 10% restocking fee. All returned shipments should clearly display your name, address and original invoice number to ensure proper credit.

** Orders for custom equipment built to customer's specifications are not returnable.

Product Changes

VIBCO reserves the right to make changes in pattern, design or materials when deemed necessary, without prior notice or obligation to make corresponding changes in previous models. To be sure of exact mounting dimensions, it is recommended that you obtain a certified dimensional drawing from the factory.

Ordering Spare Parts

Parts can be ordered through authorized distributors or from VIBCO's Spare Parts Department. The following data should be provided when placing your spare parts order:

- From label: Model number of unit.
- From spare parts list: Reference number, part number, description & quantity required.
- Shipping instructions: Specify shipping point and method of shipping.

For custom mounting applications or any other questions:

800-633-0032



or



vibrators@vibco.com