



**WARNING:** Failure to read and follow these installation instructions and safety precautions could result in personal injury, equipment damage, shortened service life or unsatisfactory equipment performance. All information in this document is vital to the proper installation and operation of the equipment. It is important that all personnel who will be coming in contact with this product thoroughly read and understand this manual.

## 1 START

THANK YOU FOR CHOOSING A VIBCO VIBRATOR!



## 2 MOUNTING INSTRUCTION CHECKLIST



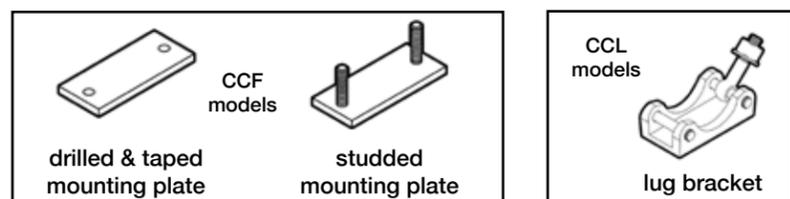
The warranty is void if vibrator is not properly installed. During installation follow and check off the following steps and your vibrator should provide you with years of trouble-free service.

- Determine length of channel iron (box 3).
- Select thickness of foot plate & method of mounting (box 3).
- STITCH weld foot plate to channel iron (box 3).
- Determine vibrator placement on bin (box 4).
- STITCH weld channel iron to bin.
- Place vibrator on foot plate. Check the foot plate for warping. Secure firmly.
- Install safety chain or wire (box 5).
- Connect pneumatics & check for leaks (box 9).
- FILL OUT WARRANTY CARD & MAIL IN!!!!

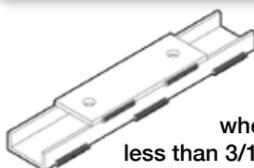


**DON'T FORGET TO MAIL IN YOUR WARRANTY CARD!**

## 3 PLATES, RACKETS & CHANNEL IRONS



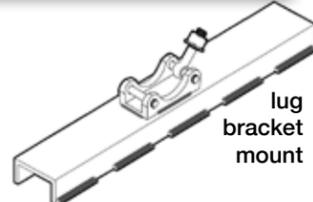
**YOU MUST STITCH WELD NEVER CONTINUOUSLY WELD. STOP WELDS 1" FROM ENDS TO PREVENT CRACKING AS SHOWN BELOW.**



Use when bin is less than 3/16" thick



Use when bin is greater than 3/16" thick



lug bracket mount

CORRECT FOOT PLATES		
SERIES NUMBER	PLATE THICKNESS	CHANNEL IRON WIDTH
2000	1/2" plate	4" channel iron
5000 & 7000	5/8" to 3/4" plate	6" channel iron

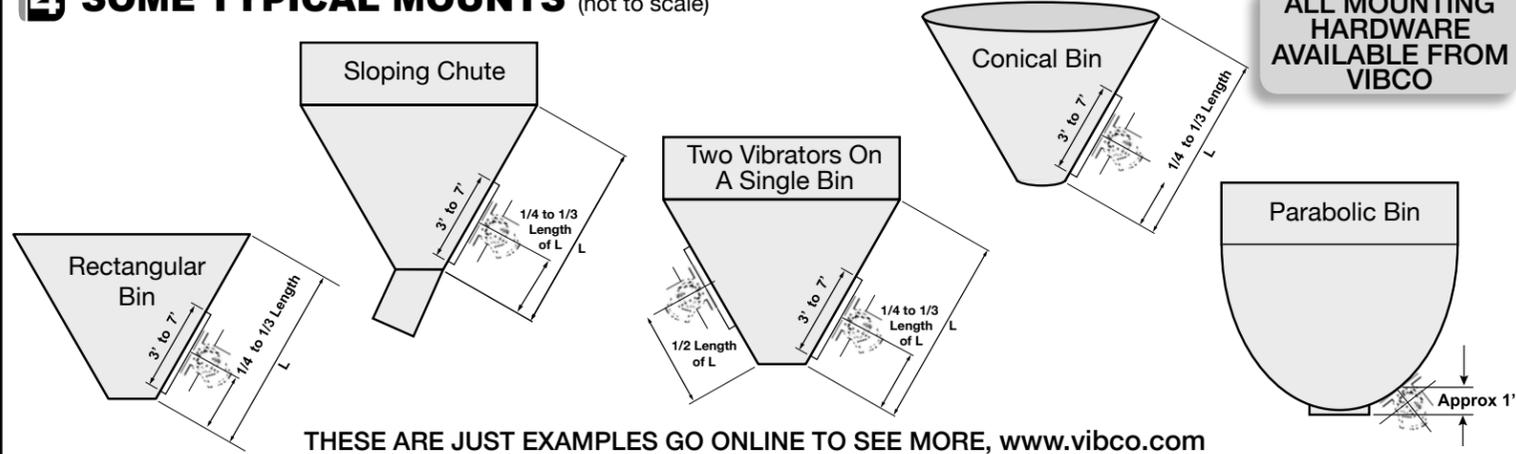


**NEVER PLACE VIBRATOR DIRECTLY ON SKIN OF BIN OR HOPPER!**

SUGGESTED CHANNEL LENGTH	
BIN WALL	CHANNEL IRON LENGTH
<3/16"	8" to 36" on both sides of vibrator
3/16" to 1/4"	12" to 16" on both sides of vibrator
3/8" to 1/2"	8" to 12" on both sides of vibrator

## ALL MOUNTING HARDWARE IS AVAILABLE FROM VIBCO

### 4 SOME TYPICAL MOUNTS (not to scale)



THESE ARE JUST EXAMPLES GO ONLINE TO SEE MORE, [www.vibco.com](http://www.vibco.com)

ALL MOUNTING HARDWARE AVAILABLE FROM VIBCO

### 5 RESTRAINT

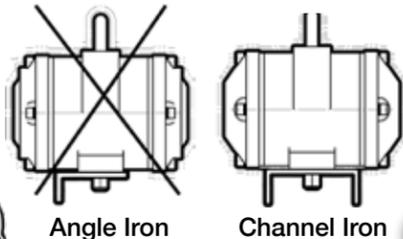
**ALWAYS INSTALL SAFETY CABLE or CHAIN**

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



## ADDITIONAL DETAILS AVAILABLE ONLINE AT [www.vibco.com](http://www.vibco.com)

### 6 MOUNTING OF VIBRATOR



**NOTE:** Damage to the bin and the vibrator can occur if not mounted securely.

### 7 BOLTING

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

Remember Check those bolts!

GRADE 5 BOLT SIZE	MAX TORQUE ft-lbs
1/4"	9
5/16"	18
3/8"	32
1/2"	78
5/8"	160
3/4"	260
1"	580
1-1/4"	1105

### 8 AIR HOSE SIZING

The hose to the inlet port of the vibrator should have the same or larger hose I.D. as the inlet I.D. (pipe size) of the vibrator, so that the pressure loss from the compressor to the vibrator is minimized.

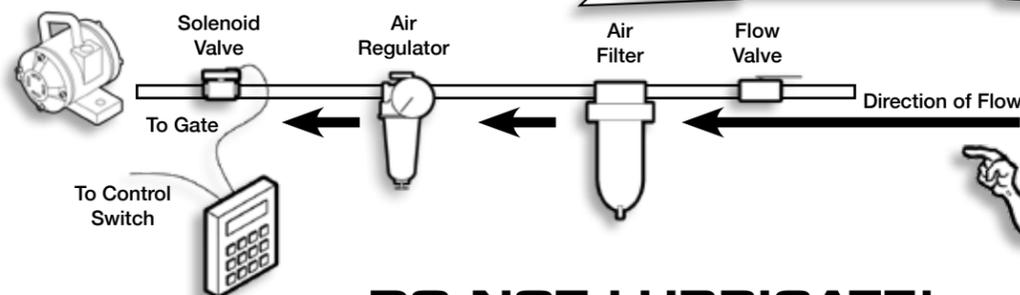
#### TO DETERMINE CORRECT AIR HOSE SIZE\*\*

CC TURBINE MODEL NUMBER	AIR HOSE DIAMETER	MIN FR" THREAD DIAMETER	CFM
2000/4000	3/4"	3/4"	40
5000/7000	3/4" - 1"	1"	50

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

### 9 PNEUMATIC HOOK-UP

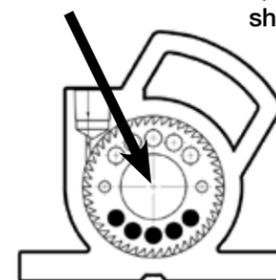
ALL ACCESSORY ITEMS AVAILABLE FROM VIBCO



**DO NOT LUBRICATE! NO LUBRICATION NECESSARY!**

### 10 BREAK IN UNIT

Bearing location



Run unit for a short cycle of 5-10 minutes at maximum pressure (80-100 psi). Bearings require a short "break-in" period to run at optimum VPM (vibrations per minute) as stated in catalog.

If you have any further questions or concerns contact VIBCO right away. We are available 24 hours a day 7 days a week at 401-539-2392.

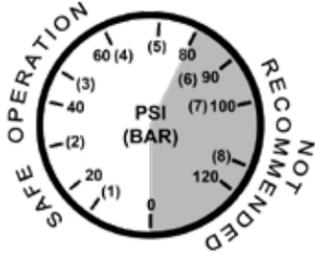


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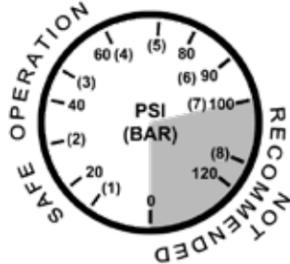
## 11 OPERATING SPECIFICATIONS

### Maximum Air Pressure

For continuous use, operating pressure should not exceed 80 psi unless specially constructed from the factory.



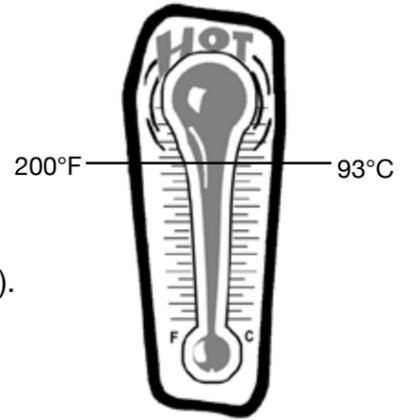
Safe Operation for Continuous Duty  
 Not Recommended



Safe Operation for Intermittent Duty  
 Not Recommended

### Maximum Temperature

The operating temperature of the vibrator should not exceed 200°F (93°C). High temperature units are available from factory.



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

## 12 TROUBLE SHOOTING

### VIBRATOR WON'T START?

1. Check for dirt in the airline or inlet opening.
2. Check air line back to compressor for holes or disconnections.

### VIBRATOR WON'T GET UP TO SPEED?

1. Double check the size of your airline - is it large enough to give you the correct cubic feet per minute (CFM) and correct air pressure (minimum required = 20 PSI).
2. Bearings 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](http://www.vibco.com)**

Look for the **Support** link on the homepage

**DON'T FORGET TO RETURN YOUR WARRANTY CARD TO VIBCO!**



### VIBCO turbine vibrators function without maintenance.

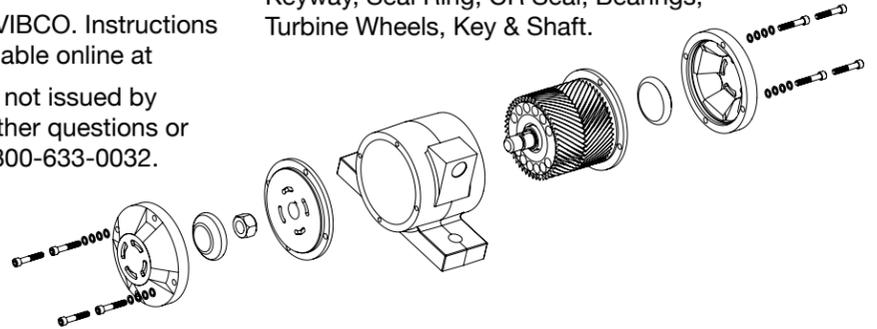
They require no lubrication in the air line. It is advisable to put an in-line air-cleaner to prevent dust and dirt from going through the unit and clogging the muffler. No other maintenance is required.

### REPAIR KITS

Repair kits are available through VIBCO. Instructions are included with the kit and available online at [www.vibco.com](http://www.vibco.com). Replacing parts not issued by VIBCO will void warranty. Any further questions or concerns please call the factory 800-633-0032.

The repair kit includes everything you need to make your vibrator run like new.

Repair Kits Include: Stover Nut, Inside Cover with Keyway, Seal Ring, CR Seal, Bearings, Turbine Wheels, Key & Shaft.



**ADDITIONAL DETAILS AVAILABLE ONLINE AT [www.vibco.com](http://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:

- Model of unit from the foot of the vibrator housing
- Reference number, part number, description and quantity required from spare parts list
- Shipping instructions: Specify shipping point and method of shipping.

**For custom mounting applications or any other questions:**

**800-633-0032**



**or**



**vibrators@vibco.com**