ELECTRIC VIBRATORS
ADJUSTABLE SPEED & FORCE

• SILENT
• Speed Dial Control on All Units
• Low Power Consumption
• Overload Protection
• Permanent Magnet DC Motor for Cost-Effective Reliability
• Totally Enclosed for Indoor/Outdoor Applications

http://www.VIBCO.com
MODELSCR-ELECTRIC

- 0-4000 RPM Adjustable Speed
- Adjustable Force
- Noiseless - As Low As 68dB
- Continuous Duty

The SCR line of electric vibrators represents the latest in vibration technology. This line incorporates both adjustable speed and adjustable force features without creating irritating noise. The low amperage draw at 115V and 230V reduces power consumption and makes them useable in any area without special wiring. The SCR line eliminates noisy electromagnetic vibrators and the drawbacks associated with unadjustable constant speed units. Why is it so important to adjust the speed and force? The conventional constant speed units are sized within narrow operating limits and may not move material out of bins or pack the material in containers should the moisture content or other conditions change. With the ability to change the speed and force of the SCR vibrator, you increase your application flexibility, reduce equipment downtime, minimize added operator expense, and improve safety by avoiding those situations where the operator must climb up the bin or chute to loosen the material.

The innovations designed into the SCR line have resulted in successful performance in many different applications. VIBCO's application engineers are available to assist you at NO CHARGE in selecting the proper vibrator for your specific application. VIBCO also offers a 10 day FREE TRIAL on your application. Your only obligation is the freight.

BINS, HOPPERS & CHUTES
VIBCO offers different brackets such as wedge or pin-mount, clamp-on or pipe bracket, for tote bins, feeders, transfer pipes, etc.

SCREENS & FEEDERS
The adjustable speed and force makes the SCR units ideal for small to medium screens. VIBCO's small and medium screen concept avoids heavy costly frames and large vibrators by vibrating the screen. Ask VIBCO for drawings. (See picture below.)

TEST TABLES
The SCR vibrators are very suitable on test tables where force, frequency, g-force and amplitude need to be varied. Ask VIBCO for Test Table Brochure and How to Set-Up A Test Procedure and How to Calculate g-Force and Amplitude.

For feeder applications use VIBCO's PATENTED bracket design changing the rotary motion of a vibrator to a linear feeding motion. Ask our application engineer for details.

HOW TO SELECT
FOR BINS AND HOPPERS: Calculate the weight of the material in the transition (sloping part) of the bin or hopper (not the straight wall above the transition). Divide by 10 and the sum left is the force needed on the vibrator. For example: if your calculated weight is 2000 lbs., divided by 10 equals 200, you will need a vibrator producing 200 lbs. of force or Model SCR-200.

FOR SCREENS:
A. When vibrating the screen, only as in picture above, multiply the weight of material on the screen by two and the sum is the force needed on the vibrator.
B. Mounting the vibrator on the screen-frame and vibrating both material and frame, multiply total weight of material and frame by three to get vibrator force needed.

VIBRATING PACKING TABLES:
Multiply total weight of material and carton by two to get force needed. NOTE: If weight of packing table is known, add its weight to material weight and multiply by 1.5.
Parts in dump hopper were interlocking. An SCR-100 on hopper separated them.

- SCR-500 on heat mount on hot ash bins
- SCR-200 on deflector pan to stop material from clinging
- SCR-60
- SCR-50
- SCR-100
- SCR-200 keeps material flowing evenly to belt conveyor
- SCR-400 on Stainless Steel Hopper

- SCR-400 on screen-feeder
• SCR-200 on PC-Board Frame

• SCR-350 on Test Table testing computer parts

• SCR-400

• SCR-500

• SCR-100 on Box Dumper to prevent hang-ups

• SCR-1000 on Packing Table

• SCR-100 on Filling Station

• SCR-100 on Chute

• SCR-200 on Chute

• SCR-1000

• Control standard on all units
**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Force (Impact) lbs./N Adjustable</th>
<th>Amp.</th>
<th>*** Volt</th>
<th>Ph.</th>
<th>Vibrations per Minute Cont. Duty</th>
<th>Int. Duty</th>
<th>lbs.</th>
<th>kg.</th>
<th>dB*</th>
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<td>223</td>
<td>2.5</td>
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<td>2500-4000</td>
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<td>267</td>
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<td>115/230</td>
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*Decibel at 3’ (1 meter on A-Scale) N = Centrifugal force in Newton  
**5 lbs. Aluminum 8 lbs. Cast Iron  
***50 or 60Hz

**DIMENSIONS**

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<tr>
<th>Model</th>
<th>L / mm</th>
<th>W / mm</th>
<th>H / mm</th>
<th>A / mm</th>
<th>B / mm</th>
<th>C* / mm</th>
<th>D / mm</th>
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*Bolt size to be used  
NOTE: Technical data & dimensions subject to change without notice.
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- Longer Service Life
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- Install in Any Position
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