ELECTRIC VIBRATORS ADJUSTABLE SPEED & FORCE

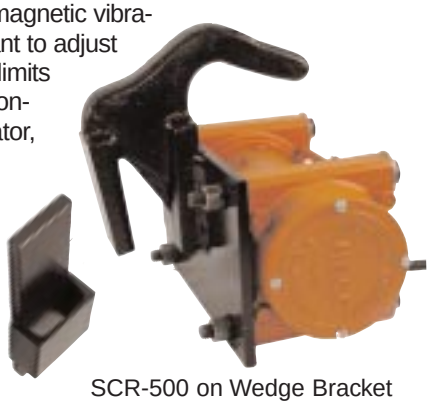
- SILENT
- Speed Dial Control on All Units
- Low Power Consumption
- Overload Protection
- Permanent Magnet DC Motor for Cost-Effective Reliability
- Totally Enclosed for Indoor/Outdoor Applications

MODEL SCR-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.

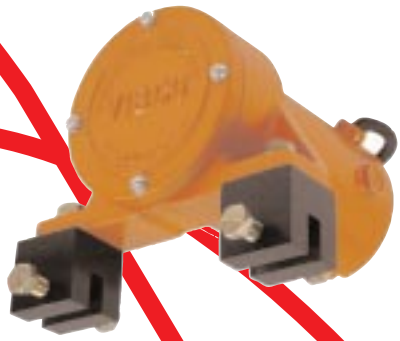


SCR-500 on Wedge Bracket

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.

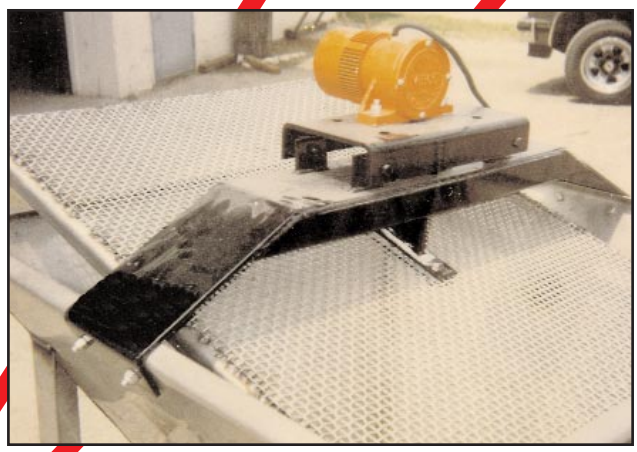
SCR-200 on Pin Bracket



SCR-100 on Clamp-Blocks

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.

SCR-350 on Pipe Bracket

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.

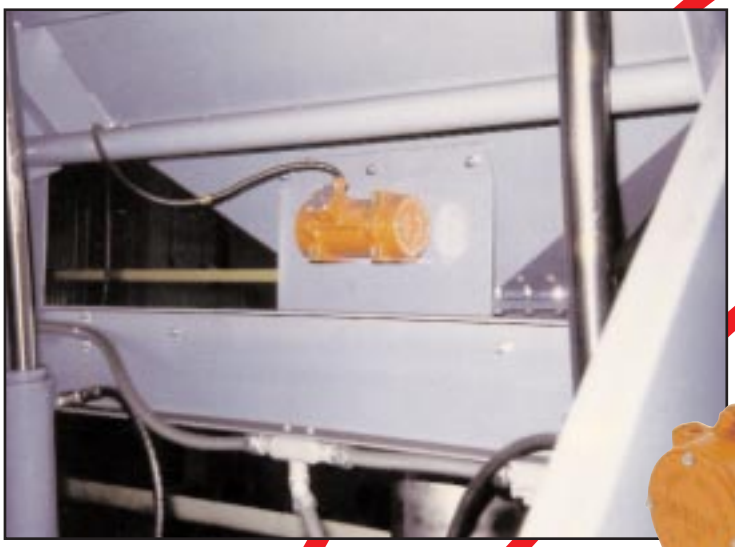
VIBRATING PACKING TABLES:

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.

ADJUSTABLE SPEED &

• 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-400 on screen-feeder

SCR-300

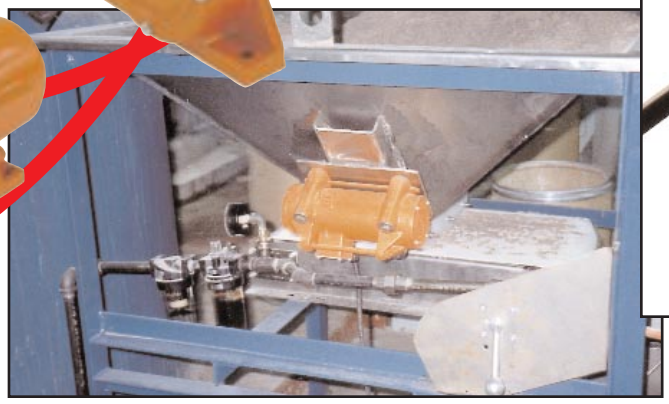
SCR-200

SCR-100

SCR-60

SCR-50

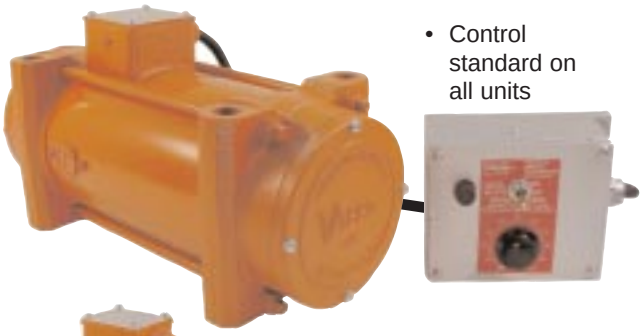
• SCR-200 keeps material flowing evenly to belt conveyor



• SCR-400 on Stainless Steel Hopper

FORCE VIBRATORS

- SCR-200 on PC-Board Frame



- Control standard on all units

SCR-1000

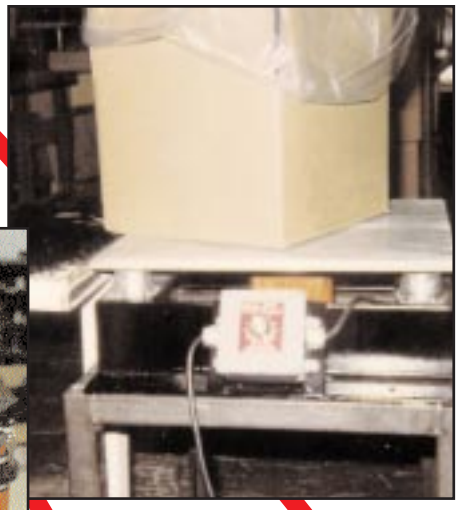
SCR-500

SCR-400

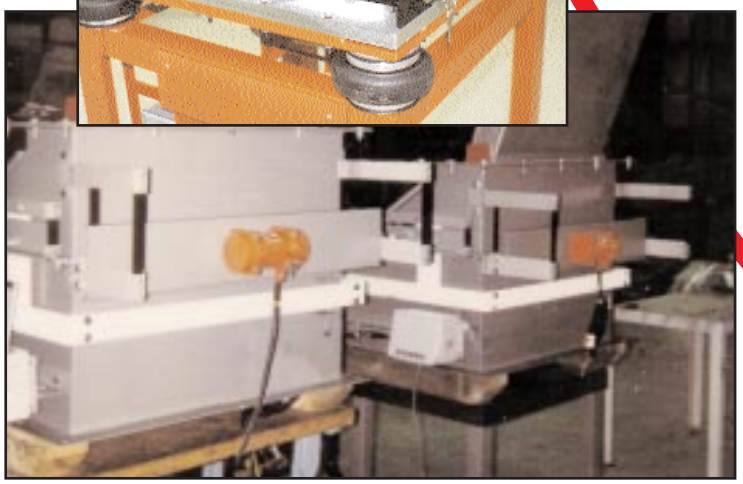
SCR-350

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

- SCR-1000 on Packing Table



- SCR-350 on Test Table testing computer parts



- SCR-200 on Chute

- SCR-100 on Filling Station

TECHNICAL DATA

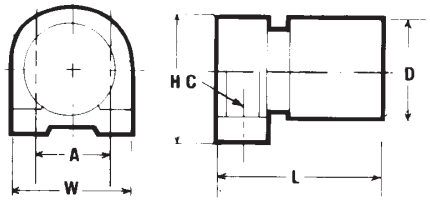
Model	Force (Impact) lbs./N Adjustable lbs.	N	Amp.	***Volt	Ph.	Vibrations per Minute Cont. Duty	Int. Duty	Wt. lbs.	kg.	dB*
SCR-50	50	223	2.5	115/230	1	950-2500	2500-4000	8	3.6	71
SCR-60	60	267	2.5	115/230	1	950-2500	2500-4000	5 and 8**	2.3/3.6	68
SCR-100	100	445	1.3	115/230	1	950-2500	2500-4000	4	1.8	68
SCR-200	200	890	2.6	115/230	1	950-2500	2500-4000	12	5.4	70
SCR-300	300	1335	1.7	115/230	1	950-2500	2500-4000	8	3.6	70
SCR-350	350	1558	3.0	115/230	1	950-2500	2500-4000	20	9.1	71
SCR-400	400	1780	2.0	115/230	1	950-2500	2500-4000	9	4.1	70
SCR-500	500	2225	3.5	115/230	1	950-2500	2500-4000	41	18.4	70
SCR-1000	1000	4449	6.5	115/230	1	950-2500	2500-4000	53	24.0	72

*Decibel at 3' (1 meter on A-Scale) N = Centrifugal force in Newton **5 lbs. Aluminum 8 lbs. Cast Iron ***50 or 60Hz

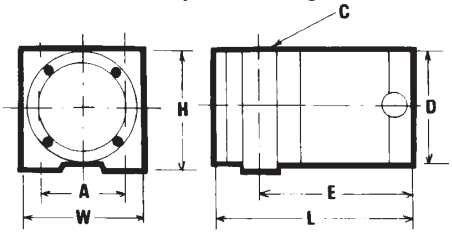
DIMENSIONS

Model	L inch / mm	W inch / mm	H inch / mm	A inch / mm	B inch / mm	C* inch / mm	D inch / mm	E inch / mm
SCR-50	5 7/8 / 149	5 / 127	3 5/8 / 64	4 / 102	—	3/8 / 10	3 / 76	3 5/16 / 100
SCR-60	6 3/8 / 162	4 1/2 / 114	3 1/4 / 83	3 5/8 / 64	1 5/16 / 33	5/16 / 8	3 / 76	—
SCR-100	6 3/4 / 187	6 / 152	4 1/4 / 108	5 / 127	—	3/8 / 10	4 / 102	165
SCR-200	8 3/16 / 208	4 7/8 / 124	4 1/8 / 105	3 1/2 / 89	—	1/2 / 12	4 / 102	6 1/2 / 165
SCR-300	8 1/2 / 216	4 1/8 / 105	5 / 127	3 / 76	5 3/4 / 145	5/16 / 8	3 9/16 / 90	6 1/2
SCR-350	8 1/4 / 210	5 5/8 / 143	5 1/4 / 133	4 1/2 / 114	—	1/2 / 12	5 1/16 / 128	— 165
SCR-400	9 / 229	4 1/8 / 105	5 / 127	3 / 76	5 3/4 / 145	5/16 / 8	3 9/16 / 90	6 1/2
SCR-500	13 3/16 / 335	5 3/4 / 146	6 1/2 / 165	4 1/2 / 114	8 15/16 / 227	1/2 / 12	5 1/16 / 128	—
SCR-1000	14 1/4 / 362	6 1/2 / 165	7 1/2 / 190	5 / 127	9 3/8 / 238	5/8 / 16	6 / 140	—

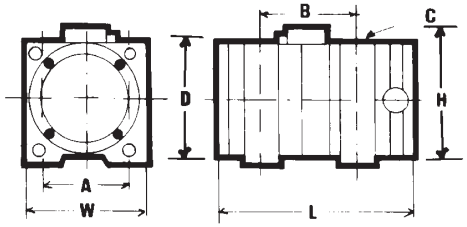
*Bolt size to be used NOTE: Technical data & dimensions subject to change without notice.



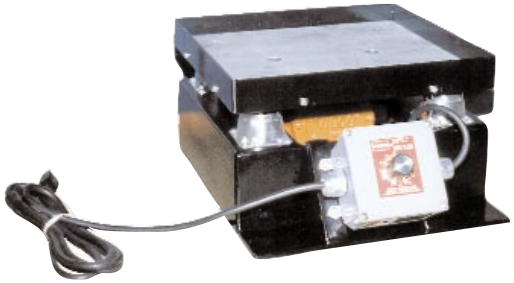
SCR-50, SCR-100



SCR-200, SCR-350

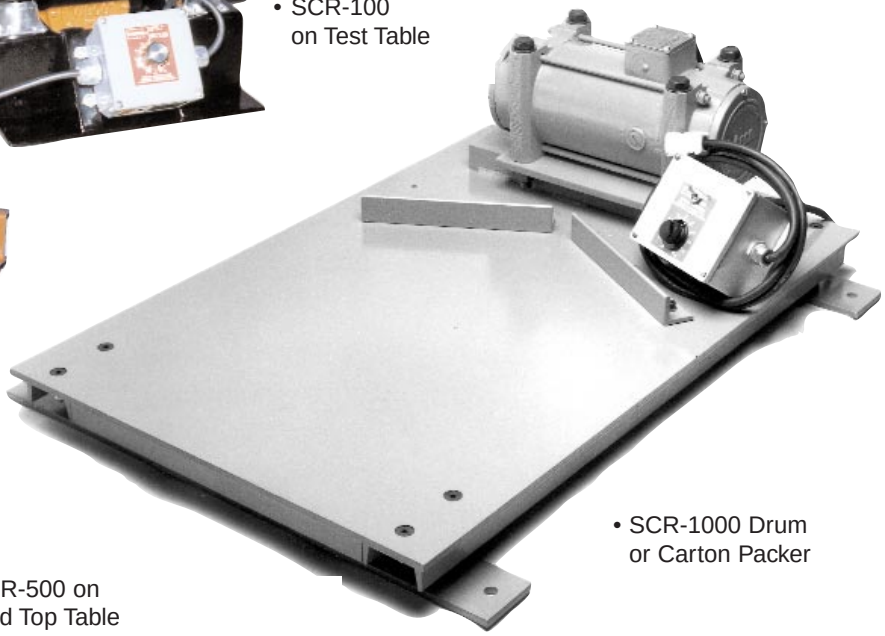


SCR-60, 300, 400, 500 & 1000



• SCR-100 on Test Table

• SCR-500 on Grid Top Table



• SCR-1000 Drum or Carton Packer