Laboratory Shaking Machine
Kahn (Reciprocating) Shaking Machine

POWER REQUIREMENTS
To work on 200/220 volts, single phase, 50 Hz, AC supply.

OPTIONAL ACCESSORIES
Timer 0-30 minutes.

PLATFORM SIZE
(a) 20” x 13” x 4”
(b) 13” x 17” x 4”
(c) 36” x 18” x 4”

D. C. motor special system shaker to work on 220 volt a.c. for variable and smooth function speed control by speed regulator.

It is general-purpose machine and found very useful for mixing or agitation ingredients, solution in flasks, bottles, beakers and Kahn racks etc. Upper tray covered with rubber floor and sides of the tray are slotted to take parallel and cross bars cover with rubber to hold flasks, bottles beakers, Kahn racks etc. The bars are tightened with washers and fly nuts can be adjusted as per the requirement. cycles single phase

The machine can accommodate Kahn racks, bottles or flasks of different sizes by adjusting the compartments with the help of rods supplied with the machine. Fitted with ¼ HP motor and having mechanical adjustments for adjusting the motion.

Number of oscillations fixed at 280 +/- 5 oscillations per minute. Supplied complete with top platform rods, ON/OFF switch, plug and cord.
Rugged construction, heavy base, rated for continuous use. The shaking speed action is variable. The degree of agitation, gentle to violent is controlled by speed regulator. The conical flasks from capacity of 125ml to 1000ml capacity can be shaken at one time even without balancing. The full torque is always applied to oscillating mechanism irrespective of speed setting.

Fixed with fraction HP motor, cord and plug The shaking machine fitted with D.C. MOTOR to work on 220 VOLT A/C 50 CYCLES to work for longer period smoothly. Flasks mounted spindle to oscillate through a small amplitude sturdy eccentric mechanism provides effective mechanical shaking. The shaking machine constructed to hold 100 ml to 1000 ml. Conical flasks. The shaking speed action is controlled by ELECTRONIC regulator. 100 R.P.M TO 800 R.P.M approx.
Weiber universal shaker is a compact, heavy-duty variable speed shaker. It is used for the agitation of electrophoresis gels and filter assay media for staining, de-staining and assay development. The Shaker accommodates a variety of vessels. It is continuously adjustable from 10 to 350 RPM. This design incorporates an orbital platform that accepts a variety of optional trays. A variety of tray models are available, including three equipped with flask clamps for common sizes of flasks. Peg and Grommet style trays make changing convenient. The timer circuit permits automatic shutoff after 3-120 minutes.

Wagner's Shaking Machine

Fixed speed approx: 30 R.P.M with BELT SYSTEM. Fitted with H.P. electric motor to work on 220 volts. A.C. (without bottles)

- To accommodate 6 BOTTLES in two rows
- To accommodate 12 BOTTLES in two rows
Rotary Flask Shaker

Applications in various research laboratories for shaking the liquid in glass flasks. It is a compact bench top model unit. Heavy platform is fitted with rubber discs to hold conical flasks from 50 ml to 1000ml capacity. The shaker is mounted on ball bearing crankshafts to give an orbital circular motion to the flasks. The diameter of the orbit is approximately 2”. The entire assembly is mounted on a rental casing which houses a motor coupled by means of V belt with pitch pulleys. The motor supplied is of Compton Greaves or equivalent make.

POWER REQUIREMENTS

To work on 220 Volts, single phase, 50 Hz, AC supply.

<table>
<thead>
<tr>
<th>Platform Sizes :</th>
<th>Holding Capacity</th>
<th>H.P. (Motor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>450 mm x 450 mm</td>
<td>25 flasks of 100 ml</td>
<td>0.25</td>
</tr>
<tr>
<td>450 mm x 450 mm</td>
<td>36 flasks of 50 ml</td>
<td>0.25</td>
</tr>
<tr>
<td>450 mm x 450 mm</td>
<td>49 flasks of 25 ml</td>
<td>0.25</td>
</tr>
<tr>
<td>450 mm x 450 mm</td>
<td>16 flasks of 250 ml</td>
<td>0.25</td>
</tr>
<tr>
<td>550 mm x 550 mm</td>
<td>25 flasks of 250 ml</td>
<td>0.25</td>
</tr>
<tr>
<td>850 mm x 650 mm</td>
<td>36 flasks of 250 ml</td>
<td>0.50</td>
</tr>
<tr>
<td>1000 mm x 1000 mm</td>
<td>81 flasks of 250 ml</td>
<td>1.00</td>
</tr>
<tr>
<td>1050 mm x 1050 mm</td>
<td>81 flasks of 500 ml</td>
<td>1.00</td>
</tr>
<tr>
<td>1050 mm x 1050 mm</td>
<td>49 flasks of 1000 ml</td>
<td>1.00</td>
</tr>
</tbody>
</table>
Table Top & Rotap Sieve Shaker

An ideal equipment for normal day to day laboratory purpose, suitable for 8" & 12" Test Sieve (Soundless, Vibration type). Fitted with F.H.P Electric Motor. It can accommodate 6 Test sieves of 8" Dai with Lid and pan. Speed can be regulated through variable speed regulator to work on 220 volts A.C., speed regulator to work on 220 volts A.C.

Rotap Sieve Shaker

Rotap Sieve Shaker is driven by ¼ H.P. Electricx motor through a reduction gear, can carry up to SIX, 6" OR 8" /12" /18" Test Sieves with one set of LID AND Pan. This Gyratory motion of the table there is an upward and downward movement but is inclined from the vertical axis and the direction or inclination charges progressively in clockwise direction having frequency of about 270 vibration per minutes. Unit having six Stainless Steel needles fixed on Stainless Steel pipe of approx 12.5 mm dia with side water tap. Tank made of Stainless Steel. (with timer/without timer)
There are some materials which, when tested dry, produce less than accurate particle analysis results. If the material is not soluble in water and reproducible results are difficult to obtain, then wet testing may be the method required to produce accurate data. This kit offers an alternative to hand wet wash sieving using a single tall-frame wet wash sieve. It has been specifically designed for use with the Weiber wet Ro-Tap sieve shaker and a stack of standard full-height testing sieves.

Gyratory Sieve Shaker

Heavy-duty floor model. The shaker is suitable for heavy materials; powders or granules. Standard Gyratory action produce inclination from the vertical axis and the direction of inclination changes progressively in the clockwise direction. The sieve table rotates in 45-degree direction, which allowed each square inch of the sieve analysis. The whole gear mechanism runs in oil bath. It is necessary to pour machine oil No. 40 up to level mark.

ACCOMMODATE

(A) Up to 8" (200mm) dia x 2" (50mm) height. maximum 8 nos. plus upper lid and bottom receiver.
(B) Up to 12" (300mm) dia x 2" (50mm) height. maximum 6 nos. plus upper lid and bottom receiver.
Vortex & Magnetic Shaker

**Vortex Shaker**

Useful for accelerated mixing of solutions in test tubes, small flasks or centrifugal tubes etc. The housing is 150 x 150 mm. The speed is regulated by a speed control device. Short eccentric stroke motor imparts vigorous agitation to the tubes or flasks. Body is strong and finished in stoving enamel paint. The equipment is workable on 220 V AC 50 HZ single phase.

**Magnetic Shaker**

This group of magnetic stirrers is similar to the conventional magnetic stirrers but have additional hot plate to achieve heating of solutions to be stirred. The heating is controlled by energy regulator, which ensures regulation at any desired percentage of the capacity of heater.

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Speed RPM</td>
<td>1800</td>
</tr>
<tr>
<td>Stirring Capacity Ltrs</td>
<td>5</td>
</tr>
<tr>
<td>Heating Capacity Watts</td>
<td>500</td>
</tr>
<tr>
<td>Dimension (W x D x H) mm</td>
<td>190 x 190 x 170</td>
</tr>
<tr>
<td>Stirring Paddle ØxL mm</td>
<td>10 x 50</td>
</tr>
</tbody>
</table>
COMPANY PROFILE:
With over a decade of industry experience in manufacturing scientific laboratory instruments, we have established ourselves with the name of ACMAS Technocracy (P) Ltd. to provide highest quality instruments to laboratories, pathologies, entomologies, pharmaceuticals, research centers etc. We have successfully catered the needs of above 600 institutions in India and abroad for the last 22 years. The dedicated and cumulative efforts of ACMAS team members has produced and delivered the comprehensive range of scientific instruments and laboratory products research projects where maintaining a viable record of the performance of the equipment is very essential.

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