

CSC Meinzer II Sieve Shaker

The CSC Meinzer II is an economical, compact and portable vibrating shaker designed to conduct sieve tests in conjunction with sieve stacks for particle sizing of various material samples. By utilizing an electromagnetic drive and natural rubber spring mounts, the power required is extremely low to produce the movement needed for basic sieve tests.

The CSC Meinzer II is a fixed amplitude shaker, operated by a single process timer which provides a range of incremental periods or continuous running.

The CSC Meinzer II is not recommended for any Wet Sieving operation.

CE - The Meinzer II is fully EMC & LVD compliant and meets all relevant European directives.

Setting Up

Unpacking and Setting Up the Meinzer II

**Keep in mind the Meinzer II weighs 17 kg*

The following items are packed with your Meinzer II:

- 1 Instruction Manual
- 1 Power Cable
- 1 Clamp Plate Assembly
- 1 Meinzer II Shaker fitted with clamping straps and buckles

Position on a level, rigid and sturdy bench, suitable for the operation of the sieve shaker, (by placing the shaker on a level surface, it ensures the symmetrical distribution of the sample over the sieves during operation).

Place the required number of sieves and the attached receiver onto the Meinzer II. Using the clamping straps and buckles provided, secure each side.

Electrical Connections

Ensure that the voltage and frequency on the Rating Label at the rear of the shaker correspond with the electrical power supply. If any discrepancy occurs, please consult your supplier or a qualified electrician.

Do not connect to any electrical supply other than that stated on the nameplate.

Important! This equipment must be grounded.

The Meinzer II Sieve Shaker is provided with a detachable 2 meter long power cable, incorporating an IEC molded connector and fused plug, suitable for connecting to the local power supply. Certain models may be supplied with a fused plug. In the event of failure, the fuse must be replaced with a fuse of identical rating.



CSC Scientific Company, Inc.

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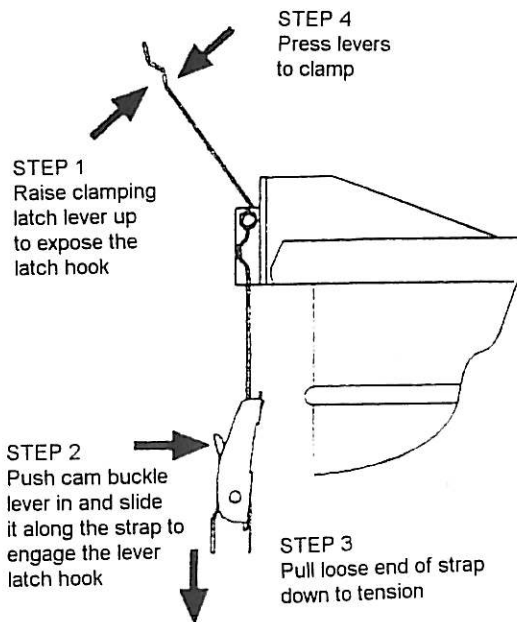
703 876 4030 800 458 2558 Fax: 703 280 5142

Email: info@cscscientific.com Web: www.cscscientific.com

Sieve Stacking

Place the receiver centrally on the location plate in the appropriate recess. Stack the required sieves on top of the receiver. Put the sample under test in the top sieve and fit the lid (optional). Place the clamp plate on top of the sieve stack. Raise the clamping latch lever upwards to expose the latch hook. While holding the clamping latch with one hand, press the lever on the cam buckle with the other. Slide the cam buckle along the clamping strap until it can be engaged into the latch hook. Release the cam buckle, pull the loose end of the strap downwards to partially tension the strap. **Do not over tension!** The clamping latch lever will remain in the raised position, 20-30 degrees from the vertical, when partially tensioned. Repeat these steps for the second clamping latch.

Press both levers down, closing the latches to clamp the sieve stack. **Do not use excessive force.** It may be necessary to loosen the straps slightly to secure. Repeat the previous action to release or increase tension in the strap as necessary to ensure a firm grip.



Operating Instructions

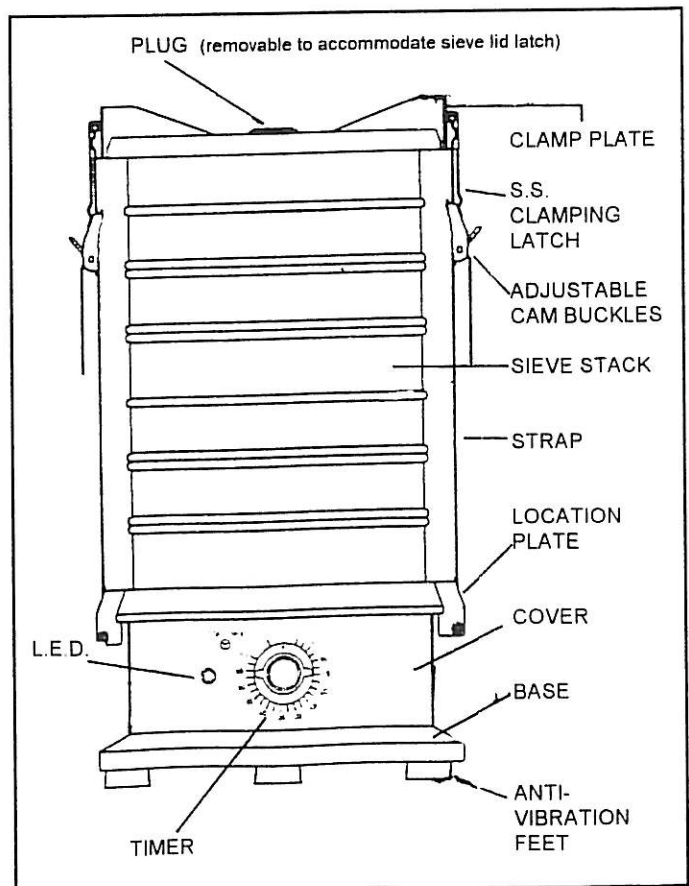
Position of Controls

Operators should be familiar with, and fully understand the controls and instructions before operating the machine. This should be done in conjunction with the diagram below.

Function of Controls

1. Power Inlet Power inlet with integral line filter. Ensure the IEC connector on the power cable is pushed fully into the power inlet at the rear of the machine.

2. Power Connected Indicator This is a green LED that indicates electrical power is connected to the equipment. The LED is illuminated when the IEC connector is pushed fully into the inlet and power is switched on at the local outlet. If the LED fails to light with the local outlet switch in the ON position then the fuse (3) has blown or power is not present at the mains.



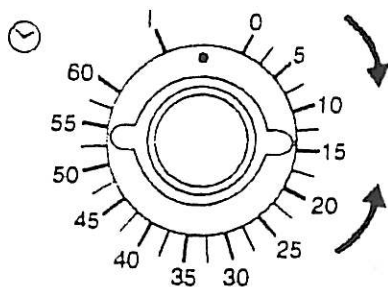
3. Fuse This is a 2 Amp. 1¼ inch long, quick acting ceramic fuse. It is important that the recommended current rating is not exceeded and that the fuse is replaced with the same type and size. If the fuse blows after replacement then a fault exists in the equipment which must be rectified.

4. Process Timer This is a mechanical 0-60 minute timer which also provides continuous running (for settings of less than 15 minutes, rotate the knob past the 15 minute mark and then back to the desired setting). Operating periods are increased by rotating clockwise and decreased by rotating counter-clockwise (the timer will commence timing down as soon as the knob is released, regardless of electrical power being connected or not). When the knob is turned counter-clockwise from the OFF position to the continuous running mark 'I', the shaker will continue running until the knob is returned to the OFF position.

- Do not have loose sieves on the shaker.
- Do not release the clamp latches or buckles while the shaker is vibrating.
- Do not attempt to remove sieves before the shaker has come to a halt.

PROCESS TIMER

TIME mins



Turning the timer knob clockwise allows the Meinzer to run for 1 min to 60 min

Turning the timer knob counter-clockwise allows the Meinzer to run continuously

Maintenance

The CSC Meinzer II Sieve Shaker is maintenance free other than keeping external surfaces clean.

Cleaning The machine can be cleaned with a soft damp cloth using a solution of water and a mild liquid detergent.

Do not use any solvent for cleaning

Fuse Replacement Should a fuse require replacement it must be of the identical type and rating as the original. The rating of the fuse is marked on a label above the fuse. Disconnect from the power supply. Unscrew the central cap of the fuse holder with a coin or screwdriver, remove the holder and fuse together. Remove the blown fuse and place the new fuse in the metal spring in the cap. Fit the cap and fuse back into the holder and screw in completely.

Do not over tighten

All replacement parts must be ordered by quoting the shaker serial number and the correct part number.

Part numbers can be obtained from your product specialist: (800) 458-2558.

Rubber Spring Replacement

If a problem develops with one of the springs it is recommended that all four be replaced.

1. Stand the shaker upside down on the location plate.
2. Unscrew the four M8 cap screws to release the base.
3. Lift the base and cover (which remains attached to the base) off to access the spring columns.
4. Unscrew the spring columns from the underside of the location plate.
5. Replace the four rubber springs.
6. To reassemble the shaker, reverse the order of 1 to 5 above.

General Advice

The Meinzer II Sieve Shaker is fully tested and factory checked before shipping to customers. NO parts require lubrication or resetting unless disturbed.

The Meinzer II Sieve Shaker is constructed and factory tested to ensure correct operation when connected to the specific electrical supply indicated on the rating plate of the machine.

Use of unapproved parts or any alteration to the machine invalidates all warranties and compliance with the European directives for 'CE' marketing.

CSC Scientific does not accept any responsibility if the operating instructions contained in this manual are not strictly followed.

The Meinzer II Sieve Shaker is not recommended for use with liquids.

Specification

Model:	Meinzer II	
Voltage:	115	230
Frequency:	50Hz	60Hz
Phase:	1	1
Power		
Consumption:	60VA	80VA
Class:	1 (grounded)	1 (grounded)
Vibration speed:	3000 per min at 50 Hz 3600 per min at 60 Hz	
Process Time:	0 to 60 min. or continuous	
Sieve Diam:	200mm or 8" 100mm or 3"	
Max. No. of		
Sieves in Stack:	8 Full Hght 12 Full Hght 15 Half Hght 23 Half Hght	
Dimensions:	255mm Diameter 142mm High (+ Clamp Plate 30mm)	
Weight:	17 Kg.	



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