



VERSA-ORB™ Mini Orbital Shaker

CLS-4023-100



OPERATIONS MANUAL

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REV: CG1122

FEATURES

1. Trouble free brushless DC motor
2. Integrated power supply for 100 to 240VAC service.
3. A 1/16 inch orbit.
4. Low profile space saving housing.
5. Non-slip trouble free toothed belt design for long life.
6. 60 - 1500 revolutions per minute.
7. Illuminated LED display.
8. Rotary speed knob has locking ring.
9. Tray sizes available: (12"x12", 15"x15", 20"x20", and 8 pos. Microtiter Plate Tray)
10. Peg and Grommet tray mounting.
11. Suction cup style feet for stability.

GENERAL USE

The Chemglass Life Science's VERSA-ORB™ Mini Orbital Shaker is a high speed shaker for general laboratory cell culture use. The low profile design incorporates a rocking platform that accepts a variety of optional trays, as well as similar trays from other manufacturers.

SPECIFICATIONS

Supply Voltage - 100VAC to 240VAC +/-10%, 50-60 Hz

Dimensions H x W x D - (inches 4½ x 11⅞x 12), (centimeters - 11.4 x 30 x 31)

Base Weight - 12.75lbs (5.6kg)

Maximum Load - 25lbs (10.9kg)

Ambient Temperature - 0 to 40°C, 32 to 104°F

Fuse - 2AMP (5x20mm)

SET-UP

(See Figure 1)

1. Connect the detachable power cord to the AC/DC converter (DC power supply) and connect to “INPUT 24Vdc” receptacle in rear of unit and then plug power cord into a suitable electrical outlet.
2. Secure suction cup feet on work bench.
3. Mount appropriate tray atop of shaker platform - position pegs into grommets.

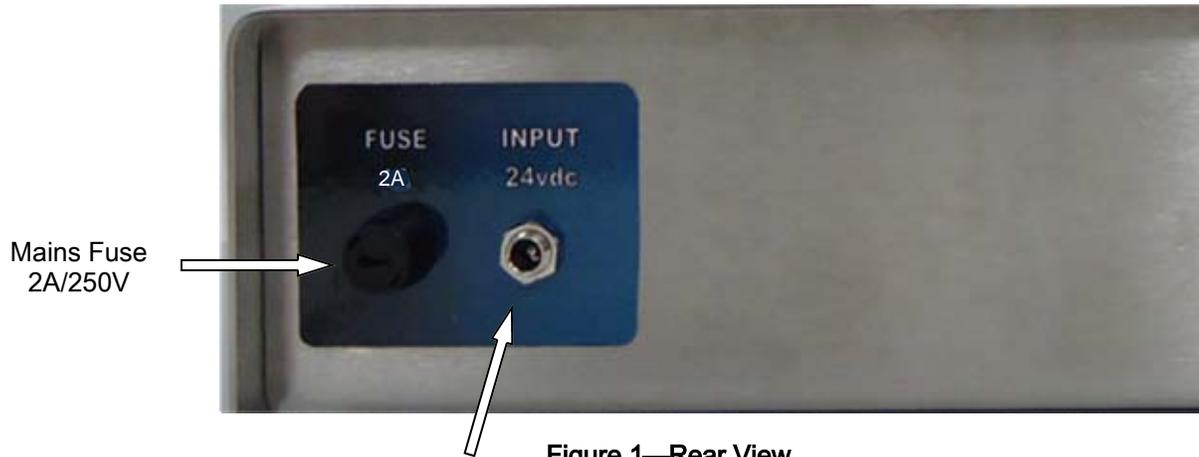


Figure 1—Rear View

24Vdc INPUT Receptacle

OPERATION

See figure 2

To operate, turn the main power switch to the “ON” position. Turn the speed control knob to set the desired rpm value. The units are designed to operate within a range of 40 - 1500 revolutions per minute. Adjust the speed by turning the speed control knob, CW to increase speed, CCW to decrease it. The unit will ramp up (or down) to your selected speed. Turn the “LOCK” ring clockwise about an eighth of a turn to prevent any inadvertent changes to the set speed. Turn the “LOCK” ring counterclockwise to unlock the speed control knob.

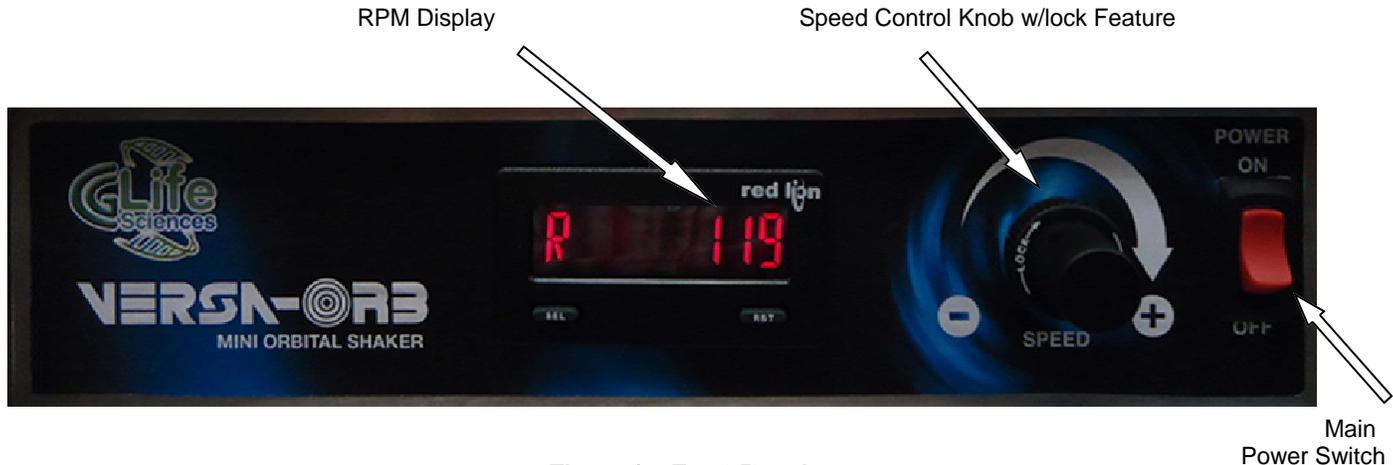


Figure 2—Front Panel



Warranty

Chemglass, Inc. guarantees this unit against defects in material and workmanship for a period of two years from the date of purchase. If the unit should malfunction, it must be returned for evaluation. If the unit is determined to have a defect in materials or workmanship, then it will be repaired or replaced at no charge. Tampering with the unit or damage resulting from excessive current, heat, moisture, vibration, corrosive materials, or misuse will void this warranty. Programming changes or reconfigurations are not covered under warranty.

To return this item, within or beyond the warranty period, advise Chemglass Life Sciences customer service department (800-843-1794) of issue and you will be provided with a return authorization number. The unit will be evaluated and repaired as required in accordance to the warranty. If it is beyond the warranty period or not covered under warranty, a repair quote will be issued to user.

Please contact the Chemglass Electronics department with warranty repair information.

Chemglass Electronics department:

Tel: 1-800-843-1794 ext. 2124

Fax: 1-800-922-4361

Email: electronics@chemglass.com