



Orbital De-Airing Device
For Use with H-1750

Introduction

This item is generally used with other Rice test apparatus specifically to keep sample material loose for more reliable results. It accepts the 2 kg capacity canister, H-1750, is variable speed from 1.0 to 240 RPM and reversible, with time selectable by the user in seconds, minutes or hours.

General Information

Inspection:

Your Rice De-airing Device was thoroughly inspected before it was shipped and should be ready to operate as soon as you have completed the set-up procedure. Notify Humboldt Mfg. Co. or your local agent and file a claim with any carriers involved if you find any damage to the machine.

Physical Specification:

Shipping weight 28 lbs. (13 kg)

Overall height 16 inches

Base dimension 11in. X 11in.

Power Supply:

115 VAC 60 Hz

220V 50/60Hz

Check that your machine has the correct voltage for your local supply.

Initial Installation

Set the machine base up at the place it is to be used in the laboratory and then decide if you plan to operate the machine resting on the four rubber feet as supplied or permanently mounted through the extra mounting holes in the base.

Put your H-1750 Pycnometer with cover into place on the H-1782 by sliding it through the top ring slot and into position under the top ring. If not already engaged press down on the ring to compress the springs and hook the screw heads from the latches into the keepers on the ring. Now try latching the ring down. If you can't get the latches down, or if they go down and are too loose to hold the ring down, you can make a final adjustment by turning the latch screw(s) and re-tightening their nuts. The proper setting is when the keepers are deflected downward slightly when latched. This pressure on the keepers should hold the pycnometer in place when there is a vacuum drawn on it.

Operation

Before plugging in the electric line-cord select the direction and speed then set the time period using the three knobs on the front of the timer (as furnished the units are minutes). Start by turning the On/Reset switch clockwise if the unit does not start on plug-in. The elapsed time will be displayed until shut-off which is at the present time.

Maintenance

The machine can generally be maintained by keeping it clean, correcting any looseness that may occur, and protecting the electrical cord.

Safety Warnings

Operators should take care to operate this machine under the maximum load restrictions. The machine is programmed at the factory to provide safety shutdown if the upper or lower maximum travel is exceeded as well as if the upper instrument calibration is exceeded.

Electrical Warnings

Typically, there is no reason for the operator to open the machine. However, if the customer's engineers attempt to change settings to the circuit board connected to the back panel, the machine must always be unplugged before this operation. Unplugging the internal connection to the back panel circuit board while the machine is under power will result in permanent damage to the circuit board.

Note

The H-1782.4F, the 220V version of the unit, requires a transformer to step down the 220V supply to the 120V that the unit needs.

Warranty

Humboldt Mfg. Co. warrants its products to be free from defects in material or workmanship. The exclusive remedy for this warranty is Humboldt Mfg. Co., factory replacement of any part or parts of such product, for the warranty of this product please refer to Humboldt Mfg. Co. catalog on Terms and Conditions of Sale. The purchaser is responsible for the transportation charges. Humboldt Mfg. Co. shall not be responsible under this warranty if the goods have been improperly maintained, installed, operated or the goods have been altered or modified so as to adversely affect the operation, use performance or durability or so as to change their intended use. The Humboldt Mfg. Co. liability under the warranty contained in this clause is limited to the repair or replacement of defective goods and making good, defective workmanship.

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