



**Vibrating, De-airing Device**

## **Introduction**

The H-1756.3F Heavy-duty, Vibrating, De-airing Device is used to remove air from Rice Test samples by providing constant vibration to Rice Test Vacuum Pycnometers. The use of the H-1756.3F De-airing Table provides consistent test results and provides unassisted operation, freeing lab technicians for other duties. Exclusive, quick-release cam/lock fasteners allow quick placement and removal of canister.

The Vibrating, De-airing Device is designed for use with Humboldt's H-1750 and H-1750SS, 2 kg capacity canisters, the H-1751, a 1500g pycnometer, as well as 2 liter flasks with the optional H-1753 Flask Attachment.

The Unit operates with a variable speed control up to 2400 VPMs at 115V 50/60Hz and 3,000 VPMs at 230V 50/60Hz

## **General Information**

### **Inspection:**

Your Heavy-duty, Vibrating, De-airing Device was thoroughly inspected before it was shipped and should be ready to operate as soon as you have completed the initial installation 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: 12 lbs (5.4 kg)

Overall height: 15-1/2"

Base dimension: 11" Diameter

### **Power Supply:**

115V 50/60Hz, 230V 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 three rubber feet, as supplied, or permanently attached to a bench, using bolts (not supplied) placed through the extra mounting holes in the base of the unit. The mounting holes are 3/16" diameter on a 10-1/8" diameter bolt circle.

Put your H-1750 Pycnometer with cover into place on the H-1756.3F 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. The pressure on the keepers should hold the pycnometer in place when there is a vacuum drawn on it.

## **Operation**

To operate, turn the unit on by flipping the red on/off button to the on position. You can then adjust the degree of vibratory action by turning the variable speed dial to different settings. Once you have found a setting you prefer using, you can leave the variable drive at this setting and then turn the unit on and off with the red on/off button. This will ensure a consistent and repeatable degree of vibration

## **Maintenance**

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

## 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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Testing Equipment for



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