ELECTRIC MELTING FURNACES

No. 365-402 /365-404/365-406

INSTRUCTIONS:

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1. Remove the crucible from the furnace. Connect the furnace to your electrical supply, and turn it on by pressing the red, lighted rocker switch on the right side of the front panel. It is always best to bring the furnace up to temperature with the crucible outside the furnace.

2. Set the temperature control to the desired temperature. To set the desired temperature, press the "P" button on the temperature control. The designation "SP 1" will appear. You may now set the desired temperature by pressing the "UP or "DOWN" key. When the desired temperature is displayed, press the "P" button again. (The "U" button on the temperature control is inactive. Do not press it). The maximum working temperature of the furnace is 2000° F. Once the furnace has attained the set-point temperature, the square, green LED will light. The red LED will light next, indicating that the furnace has exceeded the set-point temperature. These 2 LED indicators will alternate off and on as the furnace adjusts to the set-point temperature. It is normal for the temperature to fluctuate slightly above and below the set-point temperature.

3. Insert the empty graphite crucible into the furnace, which will cause the temperature control to call for heat again. After the furnace has again reached the set-point, slowly introduce the metal to be melted. Do not fill the crucible more than $1/4$ of it's capacity. When this initial charge melts, you may introduce additional metal.

4. When your metal has melted completely, remove the crucible using the crucible tongs and proceed to pour.

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