



Laboratory Equipment Manufacturer
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INSTRUCTION MANUAL FOR

HPC- 4

CERAMIC HOTPLATE



PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATION

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OPERATING INSTRUCTIONS for CERAMIC HOTPLATE

Model HPC4-300 (up to 300⁰C) 230V, 1100W

Model HPC4-550 (up to 550⁰C) 230V, 1100W

WARNING :

1. KEEP TOP SURFACE CLEAN. Use a non-abrasive cleaner. Alkali spills, hydrofluoric acid spills or phosphoric acid spills may damage top and lead to thermal failure. Unplug unit and remote spills promptly.
DO NOT IMMERSE UNIT FOR CLEANING.
2. REPLACE TOP IMMEDIATELY if damaged by etching, scratching or chipping.
A damaged top can break in use.
3. DO NOT USE METAL FOIL ON HOT PLATE. DO NOT USE METAL POTS SAND BATH OR OTHER INSULATING MATERIAL ON THE STIRRING HOT PLATE. TOP PLATE CAN BE DAMAGED AND SHOCK HAZARD CAN EXIST.
4. DO NOT remove or modify grounded power plug. Use only properly grounded outlets to avoid shock hazard. Not rated for use in hazardous atmospheres.
5. USE CAUTION when heating volatile materials; top surface and element can reach the “Flash Point Temperature” of many chemicals. These hot plates ARE NOT explosion proof. Fire or explosion may result. Unit contains components which may ignite such materials.
6. USE appropriate hand and eye protection when handling hazardous chemicals.
7. THE TOP PLATE may be hot to touch, even when the pilot light is off.
To avoid electrical shock, this unit must :
One) always use a properly grounded electrical outlet of correct Voltage and current handling capacity
8. Gross weight of items placed on stirring hotplate should not exceed 10 Kgs.

HEATER :

In the HPC4-300 a Thermostat regulates the heat from ambient up to 300⁰C.

In the HPC4-550 an Energy Controller regulates the heat up to 550⁰C.

The control (for HPC4-550) maintains a set temperature of the hot plate by turning the power ON and OFF over short time intervals. The greater the percentage of time the power is on, the higher the temperature. At the high position, power is on continuously and maximum temperature is obtained. From the OFF position, the knob may be turned either to the right or left. For fast heatup, turn the knob to right position. When the desired temperature is reached, reduce the setting to the point where the temperature will be maintained. The pilot light is always on when the power is on.

CAUTION :

When turning OFF the control be sure the knob is in OFF position and the indicator light is out