

Hot Plate

Model KW-4AH



Owner's Manual

LIMITATION OF LIABILITY

In no event shall CHEMAT TECHNOLOGY INC. be held responsible nor liable for any direct, indirect, incidental, special or consequential damages or costs whatsoever resulting from or related to the use or misuse of the Hot Plate KW-4AH, even if CHEMAT TECHNOLOGY INC. has been advised, know, or should be aware of the possibility of such damages.

CHEMAT TECHNOLOGY INC. emphasizes the importance of consulting experienced and qualified professionals to assure the best results of using the Hot Plate KW-4AH.

I. Safety Precautions

1. **ALWAYS** wear safety glasses and other appropriate protection when operating this equipment.
2. **DO NOT** immerse the unit in liquid for cleaning.
3. Spills may damage the top and lead to thermal failure. Unplug the unit and remove spills promptly.
4. **DO NOT** modify or substitute the grounded power plug. Use only properly grounded outlets to avoid shock hazard.
5. **DO NOT** modify the unit electrically or mechanically as personal injury or product damage may occur.

II. Controls and Functions

A schematic of the control panel is shown in Figure 1.

The function of each switch is described as follows:

1. RED POWER SWITCH: Turns hotplate ON and OFF.
2. ARROWS: Increase or decrease set point temperature.
3. DISPLAY: PV Indicates Process Value
SV Indicates desired setting temperature
The setting is accepted automatically after approximately 2 seconds.
4. RED LIGHT: Indicates hot plate is heating. When light flashes and goes out hot plate has reached indicated temperature.



Change function and parameters.

(For details see OMRAN operational manual)

III. Operations

1. Make sure hot plate is turned **OFF** before plugging it in.

2. Plug the power cord into the electrical socket.
3. Turn **ON** the power switch.
4. If desired, use arrow keys to change SV.
5. When actual temperature reaches SV: hot plate is *ready-for-use*.
6. Turn power switch **OFF** when operations are finished.

IV. Features

1. Manual Load Operation
2. Process Control: Program
3. Temperature Resolution: 0.1⁰ C
4. Temperature Range:
-30 – 300⁰C
-30 - 600⁰C
5. Substrate Size: 6 inch

LIMITED ONE YEAR GUARANTEE

KW-4AH HOT PLATE

Chemat Technology Inc. warrants the KW-4AH Hotplate against defects in materials and workmanship, under normal use from the confirmed date of purchase, by the original purchaser. Upon written notice of any defects, Chemat Technology Inc. will either repair the faulty product or components thereof. Any warranty stated hereunder is extended to the original purchaser and is not transferable.

Chemat Technology Inc. does not assume liability for consequential damages or liability as a result of our product's use. Chemat Technology Inc. liability extends, but not exceeds, the original selling price of the equipment. In addition, there is no assumption of liability as a consequence of any such events under the terms of this guarantee, in the following:

1. Shipment to or from the customer of Chemat Technology Inc.
2. Improper environment, temperature extremes, electrical power surges or failure, or other misuse or negligence.
3. Adjustment or repair by personnel not authorized by Chemat Technology Inc.
4. Improper installation or failure to follow installation instructions.
5. Forces beyond the control of Chemat Technology Inc. including but not limited to an act of God, war, insurrection, civil disturbance, natural disasters, labor disputes or government regulations.

In order to obtain service under this guarantee, you must first call Chemat Technology Inc. Mechanical Engineering department and obtain a Return Authorization number before shipping the product to Chemat Technology Inc. (1-800) 475-3628)

