



PROGRAMMABLE ELECTRICAL PLATE HEATER FOR VISCOUS PRODUCTS

INTELLIGENT, PROGRAMMABLE HEATER THAT PROVIDES ACCURATE TEMPERATURE CONTROL FOR WARMING VISCOUS PRODUCTS IN SMALL CONTAINERS

The patented **Limpet** heating system consists of a compact, intelligent, microprocessor-controlled and waterproof heating module that can be fitted on a wide range of equipment to provide heat for industrial processes or frost protection. The **AlphaLimpet** control technology is used to provide accurate temperature control in the **Limpet Plate Heater**. This is a 1m x 1.2m heating plate with two heating zones that are used to warm viscous products, such as syrups and fats, usually in plastic pails or small containers. Once the containers are in place, the unit can be covered with an insulated cover. It typically takes only a few hours for the product to achieve the necessary liquidity, so that the containers can be emptied with minimum waste. The **Limpet Plate Heater** can be supplied in either 110Vac or 230Vac versions and can deliver up to 900W.

Applications

- Process industries
- Food & beverage
- Pharmaceutical
- Chemical
- Cosmetics

Advantages

- No control panel required
- Accurate temperature control
- Portable
- IP67 rating
- Low power consumption

PLATE HEATER FEATURES

The main features of the **Limpet Plate Heater** are as follows:

Operation:

- Adjustable temperature range up to 70°C.
- 110 / 230 Volts ac; up to 900W power output.
- IP67 rating.
- An insulated cover with a hinged lid that ensures even temperature distribution and more rapid warming.

Programmable:

- A programmable control board is mounted inside the device.
- A temperature dial enables the user to set the desired temperature up to 70°C.
- External power and supervision status LED.

Robust Construction:

- The aluminium body provides good heat conduction and even temperature distribution over the heating plate.
- The product is sealed to ensure that all the connections and components are waterproof.

Insulated Cover:

- The unit is provided with a black PVC insulated cover measuring 1.0m x 1.2m x 450mm deep. This has a built-in hinge, so that containers can be removed without having to take off the entire cover and consequently less heat is lost.

TECHNICAL INFORMATION

- Dimensions: 1.2m long (excluding connectors) x 1.0m wide x 60mm deep.
- Weight: 15kg
- Voltage: 110Vac or 230Vac.
- Power rating: up to 900W.
- Temperature range: 0°C to 70°C.
- Ambient: -30°C to +50°C.
- Temperature control: $\pm 1^\circ\text{C}$.
- Colour: Black top surface; the remainder is a brushed aluminium finish.

Limpet

Zero Carbon Thermal Technology

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ORDERING INFORMATION

Limpet Plate Heater

Model						
AL						
Series						
1						
3						
5						
7						
Code	Voltage					
11	110 Vac					
23	230 Vac					
Connections						
Code	Type					
C	Conduit					
P	Phoenix					
Supervisory Port						
Code	Type					
0	None					
S	Yes					
Sensor						
Code	Type					
-	None					
/T	Thermowell					
/A	Ambient					
AL	5	11	C	0	/A	Example

Hinged Insulated Cover



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