

# Kuhlmann Electro-Heat

## IBC Silicone Base Heater



An IBC silicone base heater is an effective and powerful way to heat up contents inside an IBC container.

The base heater is perfect for heating viscous or semi-solid products and making them very easy to discharge from a container with minimal to no waste product.

The 2700W base heater can heat e.g. water in a fully loaded IBC container from 15°C to 70°C in less than 40 hours. If a faster heating process is required we recommend adding an IBC insulation jacket to the process.

Kuhlmann Silicone Base Heaters are produced in highly durable and long lasting silicone materials that easily can withstand the weight on a fully loaded IBC Container. The base heater fits a variety of intermediate bulk containers (IBC containers) including IBC containers from Schütz, GNX, Mauser, Werit and Greif.

The silicone base heater is very easy to install and to use - simply remove the bulk container from the IBC frame and install the silicone heater in the very bottom on the frame. Insert the container on top of the heater, fill the container and you are all set to heat the contents. This also makes the heater ideal for heating and maintaining temperature while transporting the IBC container.

The IBC silicone base heater can be mounted with an adjustable digital temperature controller for safe and precise temperature controlling.

## Technical Specifications

Durable and long lasting silicone materials that easily withstands the pressure from a fully loaded IBC container.

- Dimensions: 1035 - 851mm.
- Materials: 100% silicone.
- 1,5 meter power cord with no plugs.
- 0-150°C PT100 Sensor System temperature controller.
- Heats water from 15°C - 70°C in less than 40 hours in a fully loaded IBC Container.



The electronic digital thermostat is a fully programmable unit housed in an enclosure along with a residual current device.

Complete with a stainless steel mounting bracket, connection to the heater is via a 4 pole plug and socket arrangement.

The thermostat input is a PTC1000 sensor embedded on the heater mat. Standard supply voltage is 230V but can also be supplied in a 110 Volts version.

Adjustable through a temperature range of 0-150°C.

### Specifications:

- Enclosure Size: 200mm long x 150mm wide x 105mm high (Excluding Mounting Bracket)
- Temperature Range: 0 to 150°C
- Supply Voltage: 230 Volts AC
- Maximum Power: 3000 Watts
- Sensor Input: PTC1000 via 4 Pole Socket
- Output To Heater: 4 Pole Socket
- Supply Cable: 2 metre 1.5mm<sup>2</sup> PVC
- Electrical Protection: Residual Current Device
- For correct functioning of the RCD device the mounting bracket must have an earth bond strap to the metallic surface the heater is fixed to