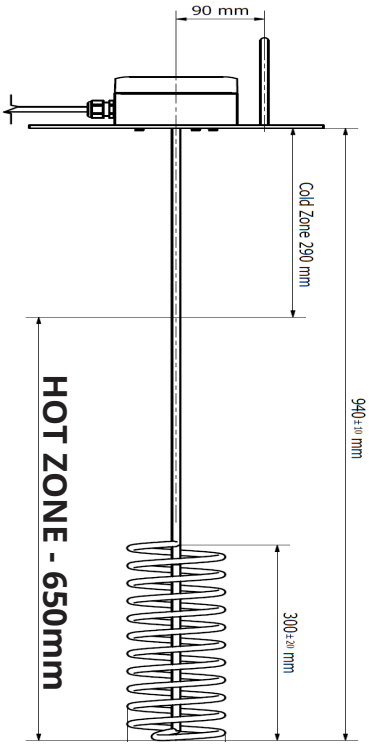
IBC IMMERSION HEATER
TECHNICAL DATASHEET AND USER GUIDE

Purpose and Application
The IBC Immersion Heater is intended for direct immersion into IBC containers to heat and maintain the temperature of water-based or oil-based low-viscosity liquids. It is ideal for applications where uniform heat distribution and accurate temperature control are required, such as preheating, maintaining fluid viscosity, or preventing freezing. For industrial use only! Must only be operated by trained personnel familiar with safe use of heating equipment. Not intended for household use or for heating of living beings.

Installation and Use
- Check that the heater is intact and that there is no visible damage to the heating element, the power connection, or the controller.
- Do not use the product if it is damaged!
- Only use with the hot zone fully submerged in a low-viscosity liquid!
- Make sure the material to be heated can tolerate the desired temperature.
- Place the heating element in the container and connect it to the controller.
- Connect the power cable and switch on the power.
- Use the controller to select the desired target temperature between 0°C and 90°C (at the sensor position) with arrowkeys. Confirm with OK.
  - The controller has time-out function (A3).
  - The controller has slow heat-up function (A4) that limits the °/min rise from starting temperature to the setpoint is reached and normal function continues.
- Do not leave unattended while in use.
- Disconnect the power and let cool down before handling.
- When unplugging, pull the plug itself, not the cable.
- Once the heating element has cooled, it can be cleaned with a water and mild soap.
- Store it in a safe place where it is not stepped on, driven over, or under pressure.



Disposal
Both the immersion heater and the controller must be disposed of as electronic waste. Follow local rules and guidelines for correct handling.

Warranty
1 year (up to 1600 hours of operation).

Materials
- Cables
- Plastics
- Stainless steel - AISI316
- Magnisium Oxide powder

Operating Environment
- Controller and connection: IP54
- Ambient temperature for storing and use: -10°C - 40°C, ≤75% RH, non-condensing

Sensor
- PT100

Electrical information
- Voltage: 230V 50Hz
- Power: 2000W

Safety Information
- Powder or CO2 can be used for firefighting near active immersion heaters.
- Water or foam must not be used near active immersion heaters.
- Always wear heat-resistant gloves when handling.
- Do not use the product if it is damaged!

Certifications / Standards
- CE certified
- RoHS compliant
- REACH compliant
- WEEE compliant