

Technical specifications

- Power : 3000W
- Voltage : 230Vac
- Element material : Incoloy 825
- Immersion length : 850mm
- Diameter : 130mm
- Submersion depth : min. 200mm
- Thermostat : 30-85°C (incl. frost protection)
- IP-value : IP44
- Weight : 4kg
- Marking : CE



Maintenance

- Periodic cleaning of the heating element.
- Repair should only be done by an electrician or by Enon, performed using only original parts.

Warrantee

- We give guarantee on the quality and functionality of the plunger. The warranty period is 1 year after delivery.
- We give no warranty to damage caused by:
 - Corrosion of the heating
 - Calcification of the heating element
 - Improper installation, misuse, use under conditions vary with the instructions described in this manual



inspiring in heating

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SUBMERSION HEATER

3kW 230V

USER MANUAL



3000W 230V

Submersion Heater Incoloy 825

Immersion length 850mm

Diameter ø130mm

Thermostat 30-85°C / 110°C

Foreword

These 3kW submersion heaters can be applied to heat simple and quick, water, contaminated water and other liquids. Our submersion heaters are used by industry, building companies, paint-, food- and paper industry, agriculture, laboratories and further everywhere where fast and safe fluid heating is required. Particularly for fluid heating in an IBC container is the use of this submersion heater with its long length of 850mm and small diameter of max. 130mm ideal.

Important safety instructions

Before using this submersion heater, one should take below points into consideration.

- The submersion heater may only be used with a supply voltage source 230Vac + PE, which is protected by a 30mA RCD.
- The submersion heater has an Incoloy 825 tube element. This material is very resistant to corrosion. However, the corrosion resistance depends on the type of liquid and its concentration (refer Enon).
- Connect a 3-wire power cord, at least 3x1.5mm², by using 4.8mm female plugs, the phase (L) and neutral (N) can be connected directly on the thermostat. Connect the ground wire with the earth. Tighten the cable gland firmly. If the power cable is plugged directly into a wall outlet, use a plug with ground terminal.
- Follow national and international safety, health and safety at work.
- The submersion heater should be at least 200mm to be submerged. Note that by prolonged heating, the liquid level can become too low because of evaporation of the liquid. We recommend you to monitor the liquid level. If the level is too low, the submersion heater should be switched off.
- The connection box may not come into contact with the liquid.
- The liquid container should be made of heat-resistance material.
- The submersion heater remains hot after the power supply is interrupted, and should not be touched or laid down on combustible surfaces or parts.
- Ensure that the heater is cleaned periodically. During cleaning, the supply voltage to the submersion heater must be interrupted.
- Keep the submersion heater in a dry place inaccessible to children.
- Repair should only be done by an electrician or by Enon, performed using only original parts.

Use of the submersion heater

- Dip the element of the submersion heater in the liquid to be heated. Ensure that the immersion element is immersed at least 200mm.
- Turn on the power to the heater. The liquid should no longer be touched.
- Set the temperature knob on the outside of the connection box for the desired temperature. The liquid is heated to the set temperature, then the thermostat switches the heating off. After lowering the liquid's temperature the thermostat will switch on and start heating again, etc..
- If the heater runs dry, then the limit thermostat will switch off the heater. To turn the immersion heater back into operation, the power supply should be interrupted and the element cooled down. In the connection box, the thermostat can be reset by pressing the brown button. The immersion heater is operational again.
- Even after the power supply is interrupted, the element remains hot for a while and must therefore not be touched or placed on flammable surfaces.
- Clean the heater periodically with a brush with lukewarm water (a mild soap solution).