



5.2 Bath immersion heater with thermostat



Application

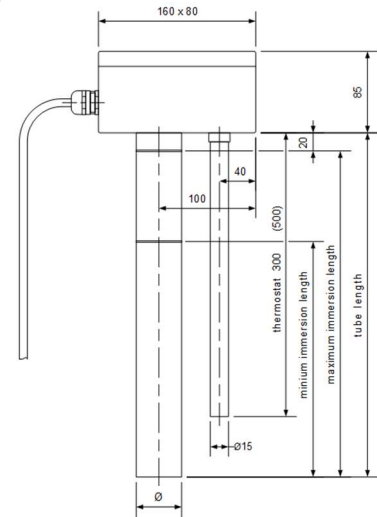
Helios bath immersion heaters with thermostat are particularly suitable for the controlled direct heating of: water, caustic solutions, acids, mordant, oils, and other fluids that allow a specific surface load of 2.5 W/cm²

Design

Helios bath immersion heater with thermostat consist of an exchangeable 230 V tubular heating element, exchangeable protective tube, thermostat 0 to +120°C with polypropylene protective tube and macrolon terminal box with a protective system IP65, with power cable.

All parts are exchangeable.

The jacket tube material depends on the type of fluid to be heated.



Heating element

Helios bath immersion heaters consist of an exchangeable 230 V tubular heating element.

Thermostat

The thermostat has a control range from 0 to + 120 ° C. The switching differential is 3 K. With the switching capacity of 16 amps / 230 volts, a maximum of 3500 watts can be switched directly. If one or more immersion bath heaters with an output of more than 3500 watts are to be controlled, a contactor is required. The protective jacket tube of the thermostat is made of polypropylene. For tube lengths up to 450 mm, the protective tube length of the thermostat is 300 mm, for tube lengths over 450 mm 500 mm.

It is sufficient if each bath is equipped with one bath heater with a thermostat. All bath heaters of each bath can be switched by one contactor.

Installation

Helios bath immersion heaters must be installed vertically in the fluid to be heated. There are markings for the minimum and maximum liquid level on the jacket tube of the bath heater. The liquid level may fluctuate between the marks, but not fall below or exceed them. Helios bath heaters can be held on the edge of the tank by screwing on the fastening.

The thermostat is adjustable after dismantling the lid of the terminal box.

Special design

Other lengths, powers, voltages and other materials (quartz Ø 46,5 mm), please ask for information

