



Scandymet electrical immersion heaters Installation and maintenance instructions

Before installing:

- ☐ Inspect the heater. Verify it is undamaged after transport, and that there is no damage to the glass, teflon, or electric cable.
- ☐ Check the sheath material to be sure it is compatible with the intended bath solution. If you are even slightly uncertain, contact us!
- ☐ Confirm the line and heater voltage agree and the cubicle is locked for heating capacity.

During installation

- ☐ Installation must be done by a qualified electrician. In a stationary electrical installation an omnipole contact breaker must precede the heater.
- ☐ Confirm all power is disconnected and fuses have been removed at the actual switching point.
- ☐ Heaters without supports have to be installed vertically. The active part should be at least 20 mm from the tank wall, bottom, or sludge accumulation. Otherwise, overheating and/or heater damage can be the consequence.
- ☐ Heaters should be installed for stationary service (anchored) in a bath solution of 95° C max. Min. level and max. level for bath solutions are marked on the heaters.

While in service the solution level must be maintained between these markings.

- ☐ For electrical heating, a level control must always be installed. If not, overheating can occur at min. level, which may be a fire hazard.
- ☐ In service, heaters should be protected from contact with moving parts, anodes, cathodes, or any other source of current.
- ☐ When installing heaters with a collecting box, the box must always be located where it will not be subjected to direct flushing, drips, or vapors from bath solution. The collecting box should never be located on the tank edge.

Maintenance and control of immersion heater in service

- ☐ Maintain the solution level between the two level marks.
- ☐ Clean heaters regularly and check function of level control.
- ☐ Check heaters regularly for any sign of potential failure, such as cracks (glass or teflon) or corrosion (metal heater).
- ☐ When checking the element, the electricity supply to the heater must be turned off at least 20 minutes prior to exposing the element to air
- ☐ The supply cord cannot be replaced. If the cord is damaged the appliance should be scrapped
- ☐ This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety
- ☐ Always check the tank that it's containing liquid before starting heater
- ☐ Always check with supplier that tank is of right type and dimension

Cleaning of heaters

- ☐ Turn off the heat electric supply for at least 20 min. prior to exposing the element to air.
- ☐ A soft brush or gloved hands are recommended to remove build-up from the element. Be cautious while cleaning to avoid damage.