

IMMERSION HEATER WITH ELECTRONIC CONTROL

BACKER

Description

Immersion heater and terminal box with electronic setting of desired temperature and hysteresis with an exact control via NTC. The display of the box shows current temperature and with a flashing lamp, operating status of the elements are shown. The box is equipped with an integrated frost guard, which can be activated at need.

Energy saving: The potential save is up to 55€ per year, compared with terminal boxes equipped with traditional thermostats, such as our K11A box. On request, the immersion heater can also be manufactured with galvanic insulated elements.

Technical specification

Dimension	90 x 90 x 123 mm
Power/Voltage	230 V 1~ alt. 400 V 3~ Up to 11300 W 3~ and 7360 W 1~
Connection	1 ½", 2", 1 ½" galvanic insulated elements, 1 1/4 "
Protection class	IP44
Standard	Electrical heat protection and thermal fuse
Max. temp.	See diagram below
Safety	The elements meet requirements acc. to EN 60335-1

Mode	Operating area		Pol 1 Hysteresis °C	Pol 2 Hysteresis °C	Rekom. unit with Overheat prot.	11°C Frost prot.
	Min °C	Max °C				
0	X	X	5	5	all available	Y
1	10	85	7	7	1150734901 (106°C)	Y
2	10	70	7	7	1150734902 (92°C)	Y
3	10	50	7	7	1150734903 (70°C)	Y
4	10	85	4	6	1150734901 (106°C)	Y*
5	10	50	4	6	1150734903 (70°C)	Y*
6	10	85	5	5	1150734901 (106°C)	Y
7	10	50	5	5	1150734903 (70°C)	Y

The box is delivered with 8 pre-programmed operating modes (see table above). * 2-step power control

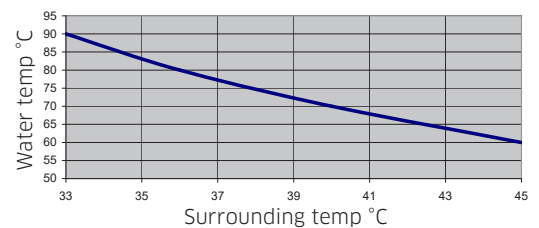
Tubular Elements

FIELDS OF APPLICATION

- Heating of fluids
- Electrical water boilers
- Accumulator tanks
- Under floor heating
- Process industry
- Train toilets



Box max temp 55°C



Accumulatortank