

Immersion Heater 3/9 kW

Heating rods for hot water from photovoltaic electricity.

The easiest way to more photovoltaic heat with the AC•THOR, AC•THOR 9s, and SOL•THOR.

Linearly controlled by our power managers for maximum heat yield from photovoltaic electricity. The immersion heater come in two versions: a smaller 3 kW variant and a 9 kW version. The 3 kW immersion heater was specifically developed for use with the AC•THOR photovoltaic power manager and the SOL•THOR DC power manager. The more powerful 9 kW variant is intended for use with the AC•THOR 9s photovoltaic power manager.



- Manually adjustable target temperature (bimetal thermostat)
- 1.5 inch standard thread
- Single phase or 3-phase
- Optionally also without thermostat, only with safety temperature limiter

Immersion heater 3 kW and 9 kW

The heating cartridges, as the immersion heater often called, can be installed in fresh water and buffer tanks. Due to their special design, the heating elements experience very low thermal surface loads, which directly contributes to an increased product lifespan.

A safety temperature limiter is integrated. If higher temperatures are desired (e.g., in buffer tanks up to over 90 °C), immersion heaters without a thermostat are available, equipped only with a safety temperature limiter. In such cases, the temperature sensor included with our power managers must be used to end the heating process.

Technical specification

	Immersion heater 3 kW	Immersion heater 9 kW
Max. power	3,000 W	9,000 W
Heating power	0 – 3,000 W when controlled by AC•THOR, AC•THOR 9s or SOL•THOR	0 – 9,000 W when controlled by AC•THOR 9s
Mains supply	Single phase, Euro plug, 230 V, 50 Hz	3-phase, 3 x 230 V, 50 Hz
Power cord	2.8 m	-
Operating temperature range	Ambient temperature at the housing must not exceed 35 °C	Ambient temperature at the housing must not exceed 35 °C
Protection class	IP 45	IP 45
Dimensions (W x H x D)	88 x 88 x 518 mm	88 x 88 x 873 mm
Weight	1.65 kg	2 kg
Heating rod thread dimension	G 1 1/2 Zoll	G 1 1/2 Zoll
Heat-free zone	130 mm from sealing level	130 mm from sealing level
Warrenty	2 years (except calcification)	2 years (except calcification)
Tightening torque	60 Nm	60 Nm
Max. operating pressure	10 bar	10 bar
Safety temperature limiter Version without thermostat	approx. 98 °C approx. 96 °C - 105 °C	approx. 98 °C approx. 96 °C - 105 °C
Target temperature with thermostat	approx. 34 – 78 °C	approx. 34 – 78 °C
Target temperature without thermostat	according to AC•THOR, AC•THOR 9s or SOL•THOR settings	according to AC•THOR 9 setting
my-PV item number	20-0500	20-0600

