

ASKOHEAT-FOP 2.0 – 9.0 kW

Flange heater Ø 180 mm Incoloy 825; 2.4858

With combination of temperature control and safety temperature limiter Compatible with the consumption regulator Fronius Ohmpilot, incl. seal



PV own power consumption

- Heating elements for stepless control with:
 - Fronius Ohmpilot up to 9 kW
 - AC•THOR (my PV)
 - AC•THOR up to max.3 kW 0
 - AC•THOR 9s up to max. 9 kW 0
 - SolarEdge Home hot water controller up to max. 3 kW
- Power regulation from 0 to 100%



Features

Auxiliary heating system of drinking water and heating water.

FH The heating element is made of three U-shaped heating tubes, each press-fitted into a pressfitting nipple. These are bolted with the immersion tube onto a steel flange. A food-safe plastic disk serves as insulation. Thanks to the insulated mounting of the heating tubes, the devices are also suitable for enamelled boilers.By using the integrated DIP switch, the potential equalisation resistance for the usage in stainless steel tanks is bridgeable. The unheated zone is 70 mm for all types.

solaredge

- TC Electromechanical temperature control acc. EN 14597, not fail safe.
- STL Electromechanical safety temperature limiter acc. EN 14597, fail safe. If nominal value is reached, the limiter switches and stays locked in this position. Reset is performed manually and is only possible after the sensing element is cooled off by approx. 10 K.
 - Time factor of sensing element acc. EN 14597
 - Operation type TC Type 2 B acc. EN 14597
 - Operation type STL Type 2 BK acc. EN 14597

Type summary	Туре	Order no.	Power	Immersion length [EL]
Drinking- and heating water	AHFOR-BI-OP-2.0	012-5601	2.0kW; 230V~ / 400V 3~	260mm
Incoloy 825, 2.4858	AHFOR-BI-OP-2.5	012-5602	2.5kW; 230V~ / 400V 3~	310mm
	AHFOR-BI-OP-4.0	012-5603	4.0kW; 400V 3~	260mm
	AHFOR-BI-OP-5.0	012-5604	5.0kW; 400V 3~	300mm
	AHFOR-BI-OP-6.0	012-5605	6.0kW; 400V 3~	360mm
	AHFOR-BI-OP-7.5	012-5606	7.5kW; 400V 3~	420mm
	AHFOR-BI-OP-8.0	012-5607	8.0kW; 400V 3~	450mm
	AHFOR-BI-OP-9.0	012-5608	9.0kW; 400V 3~	490mm
	AHFOR-BI-SE-3.0	012-5803	3.0 kW; 230V~ / 400V 3~	260mm

The following indications are valid for the above listed standard types. Due to the function, other types **Technical data** might show different data.

Adjustable cut-off temperature	0…≉…28…85 °C
Safety cut-off temperature 9off	110 °C (0-9 K)
Ambient temperature on switching head	max. 50 °C (T50)
Thermal switching differential	11.0 K ± 5.5 K
Ambient temperature for storage and transport	-30+90 °C

Application range

012-5601

AHFOR-BI-OP-.../ AHFOR-BI-SE-...

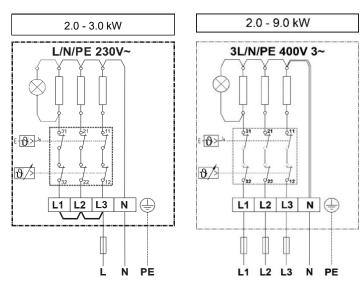
0	A STATE OF THE STA
ASKOHEAT-FOP	P
O	and the second s

Calibration	Calibration tolerance Time factor in water	± 7 K <45 s
Specification	Flange material Outside flange diameter Pitch circle diameter Flange seal Plastic disk Heating tube Immersion tube Surface load Electrical connection Operating pressure Housing cover Protection mode	St 37 Ø 180 mm Ø 150 mm / 8 X M12 EPDM, KTW and FDA certification PP-H, FDA certification Incoloy 825; 2.4858, Ø 8.2 mm Incoloy 825; 2.4858 7 W/cm ² Screw clip 4mm ² max. 10 bar Polycarbonate, RAL 7035 (light gray) IP21 acc. EN 60529

Fitting notes

The device must be installed horizontally. The heating tubes must be covered entirely by the liquid. The circulation of the liquid shall not be inhibited.

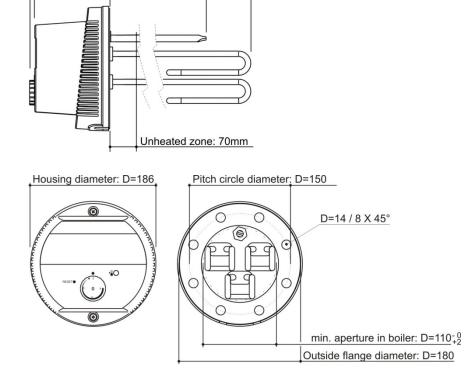
Wiring diagram



EL

260

Dimension drawing



120

110