

SMARTFOX

Pro Heater 3 / 4.5 / 6 / 9K

Technical data sheet

Power to Heat: The SMARTFOX Pro Heater 3 / 4.5 / 6 / 9K is the ideal complement to your SMARTFOX Energy Manager and stores PV surplus in 15 dynamic stages as hot water.

The "Heater" can be used to heat heating and drinking water in enamelled buffer tanks and containers. By means of an integrated temperature sensor, sufficient hot water can be ensured even in bad weather, and a hygiene function (legionella) can be carried out.

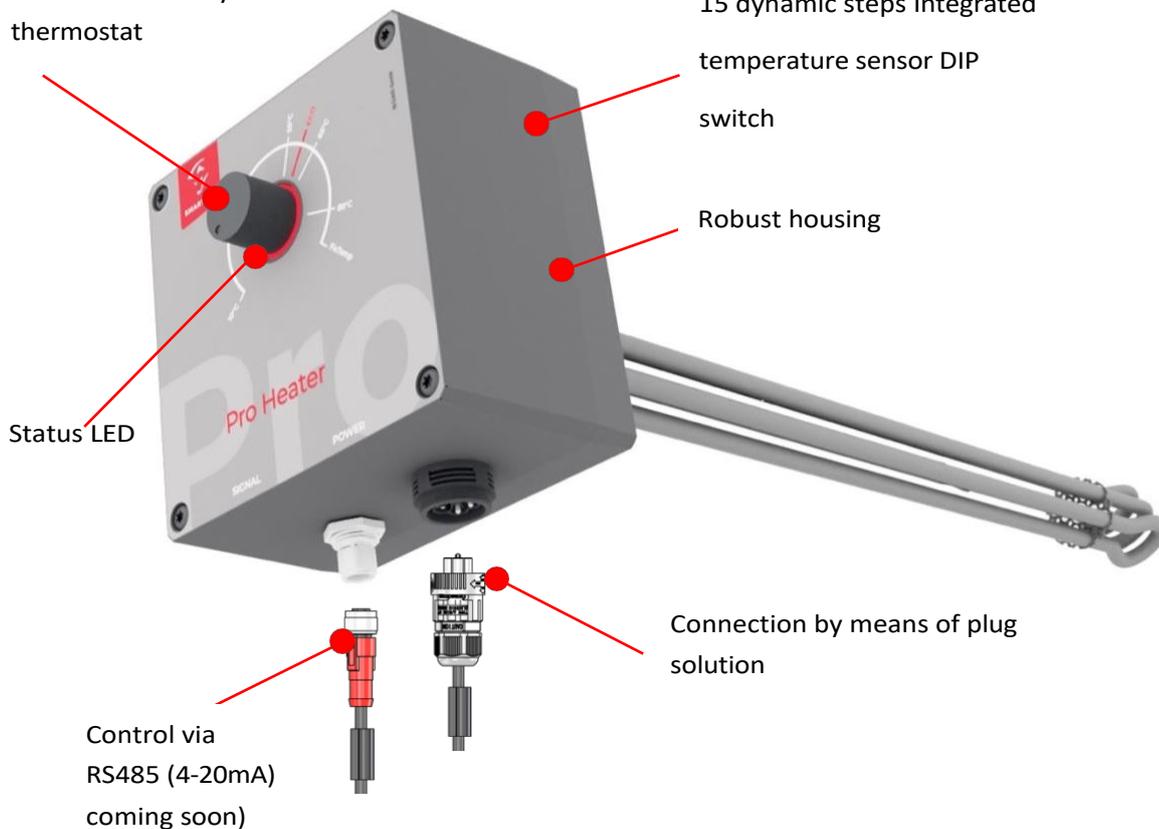
The included power measurement enables high-resolution monitoring via web portal & APP. With the remote control, you always have your hot water under control, even when you're on the move.

Compatible with all SMARTFOX energy managers!

Control and safety thermostat

15 dynamic steps Integrated temperature sensor DIP switch

Robust housing



Product information

Technical data

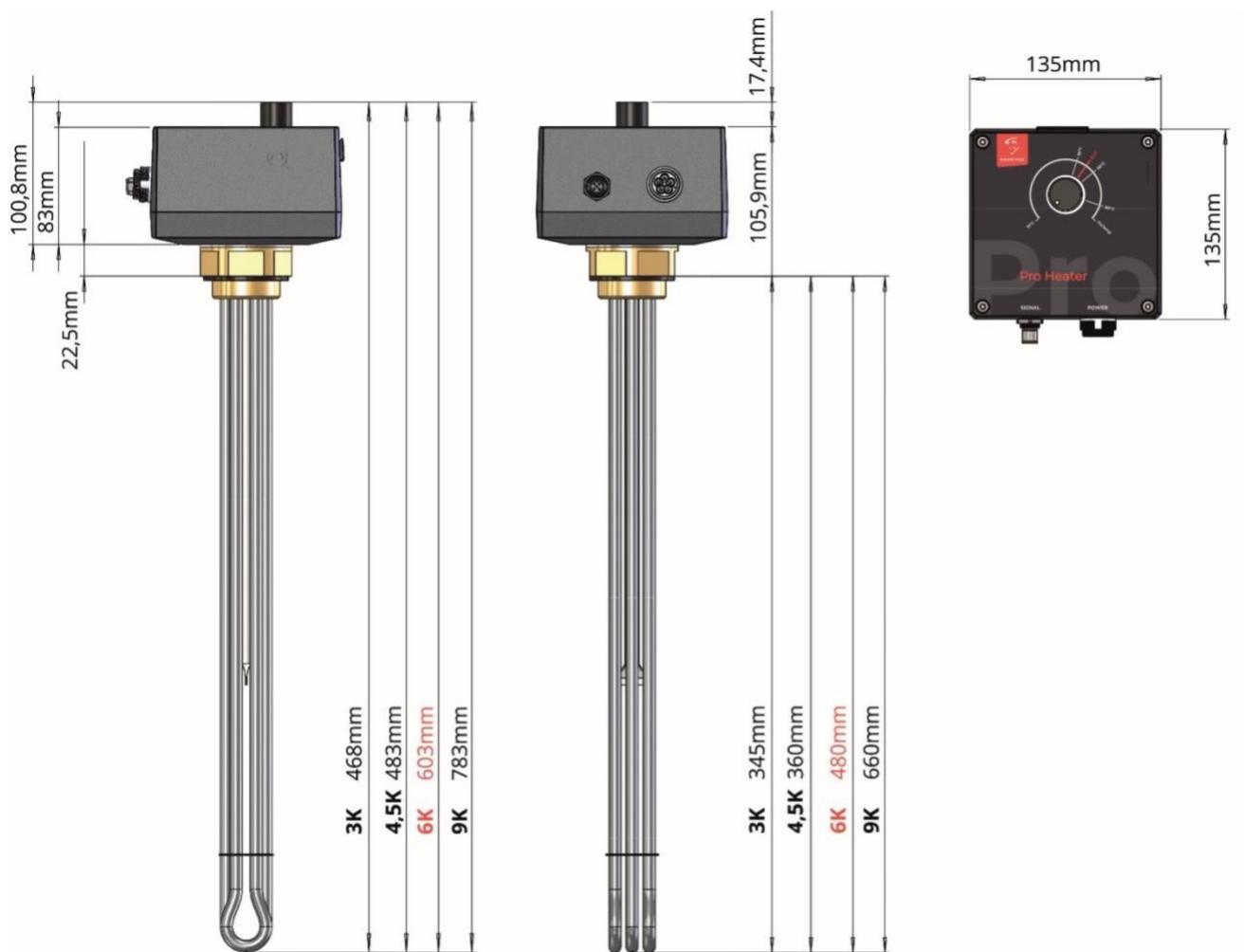
Art. No.	0796554799001	0796554799018	0767523866338	0796554799025
Heating capacity max.	3kW	4.5kW	6kW	9kW
Heating capacity min.	110W	165W	220W	333W
Gearshift stages	15 *Stage performance varies according to model			
Voltage	3~400V, 50Hz			
Rated current	max. 4.41A	max. 6.62A	max. 8.82A	max. 12.99A
Hedging	LS 3B13	LS 3B13	LS 3B13	LS 3B13
Standby consumption	3-4W			
Screw head				
Screw-in thread (AG)	G 1 1/2" (6/4")			
Width across flats	SW60 (DIN ISO 228)			
Material	Brass			
Operating pressure	max. 10bar			
Heating				
Immersion depth	345mm	360mm	480mm	660mm
Unheated length	100mm			
Sheath material	2.4858 - Alloy 825			
Surface load	10W/cm ²			
Continuous operation suitability	Yes			
Galvanic separation	Yes (use in enamelled containers possible)			
Application area	Hot water boiler & buffer tank (suitable for drinking water)			
Installation	horizontal			
Connection housing				
Material	PC + ABS (UL 94 V0)			
Protection class	IP54			
Electrical connection	Plug 5-pole nominal cross-section 1.5mm ² incl. connection cable 5m			
Communication connection	Connector 5-pole nominal cross-section 0.5mm ² (min. 0.4mm ² / max. 0.75mm ²) incl. Connection cable 5m			
Interfaces				
RS485 addressing	Parameters via DIP switch			
Temperature sensor	integrated (Kl. B)			

Temperature control				
Type	Temp. controller (TR) + safety temp. limiter (STB)			
Control temperature (TR)	10-80°C			
Switch-off temperature (STB)	93°C			
Display	Status display via LED			
Measuring unit	Power measurement included			
Dimensions incl. plug W x H x L	W 135mm x H 189	mm x L		
	L 468mm	L 483mm	L 603mm	L 783mm
Weight	1607g	1754g	1920g	2203g
Temperature range (in operation)	Ambient temperature 10-45°C			
Humidity (in operation)	5-95% non-condensing			
Operating mode	<p>With energy manager: 15-step surplus control, minimum temperature maintenance, weekly timer, hygiene function frost protection & fixed temperature...</p> <p>Stand alone operation: frost protection & fixed temperature possible</p>			
Compatible energy managers (RS485)	SMARTFOX Pro & SMARTFOX Pro 2			
Compatible energy managers (4-20mA)	All SMARTFOX Energy Managers *not all functions available			
Remote control	Via SMARTFOX Energy Manager (my.smartfox.at & APP)			
Monitoring	Via SMARTFOX Energy Manager (my.smartfox.at & APP)			
Certificates, standards	CE, EN 14597, EN IEC 60730-2-9, EN 60335-2-21, EN 60335-1			

Function overview



Dimensions



*The scale refers to the SMARTFOX Pro Heater 6K. The screw-in and total lengths of the product variations are indicated accordingly.



smartfox.at/downloads

Austria / Europe

Head office:

DAfi GmbH | Niedernfritzerstraße 120
5531 Eben im Pongau | AUSTRIA

Tel +43 (0)720 302 555
Mail support@smartfox.at
Web www.smartfox.at

Germany

Branch DE:

SMARTFOX GmbH | Wankelstraße 40
50996 Cologne | GERMANY

Tel +49 (0)2236 48095-00
Mail technik@smartfox.de
Web www.smartfox.de

