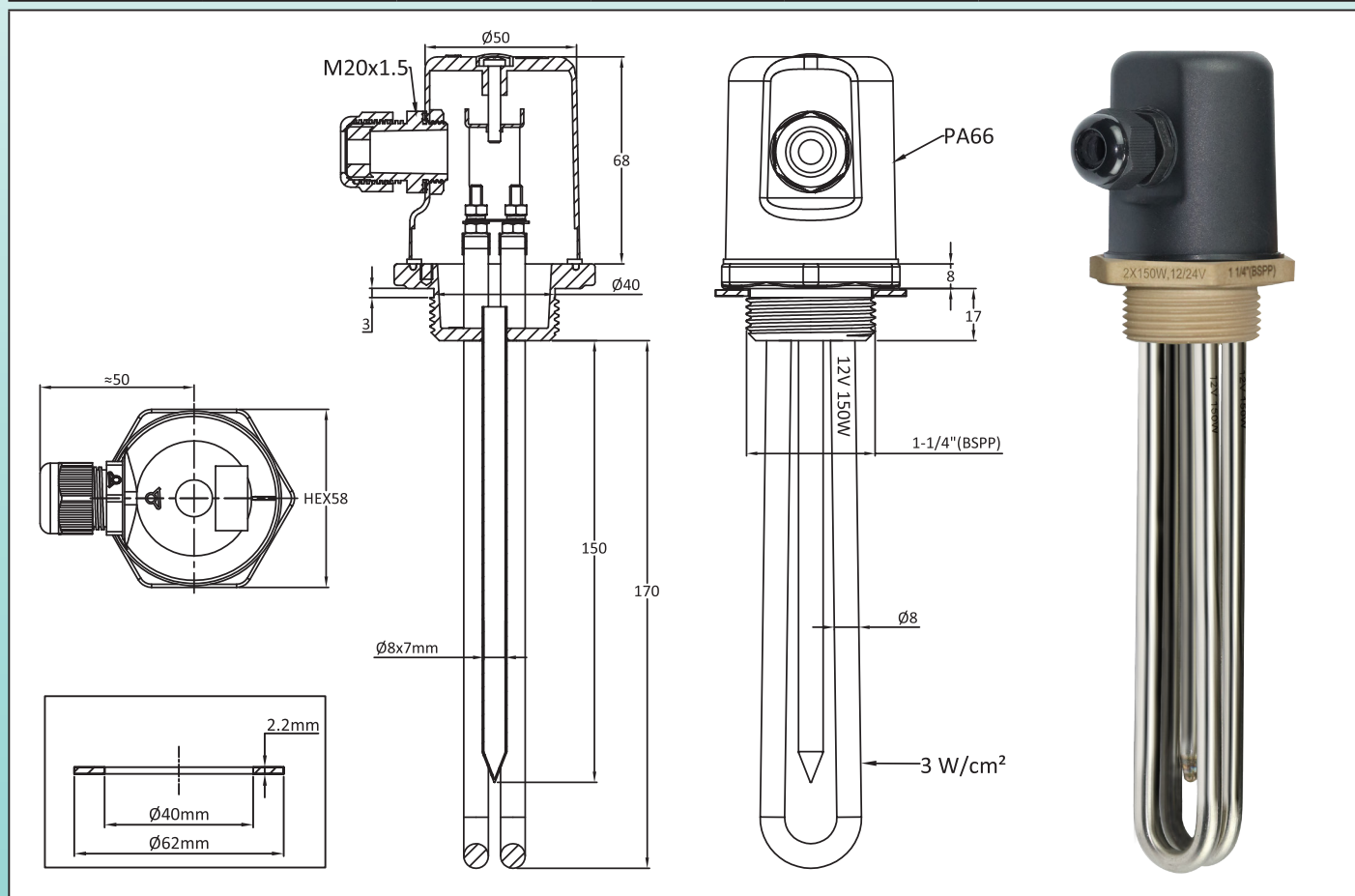


Renewable energy 1"1/4 immersion heaters, 12 and 24 V power supply, with connection box

Main Voltage	Low voltage Power	Auxiliary voltage	Auxiliary power	Enclosure	Threads	Type
12V, 24V	2 x 150W or 2 x 300W	Without	Without	With	1"1/4	9SFT402



Main application: direct use of low voltage electricity produced by wind turbines or photovoltaic solar panels, for heating liquids, domestic hot water circuits, hot water tanks. These immersion heaters make it possible to use the surplus energy produced, and not used by domestic lighting needs or small electrical appliances. They can also be used in addition to domestic hot water tanks, limiting the need for electricity from the distribution network.

Heater tube material: dia. 8mm heating elements in AISI 304 (AISI 316; AISI 321; Incolloy 800 or Incolloy 840 on request).

Fitting material: Brass, brazed on tubes. Supplied with one fiber gasket but without nut. See accessories below.

Thread: 1"1/4 BSPP (ISO 228)

Enclosure: dia. 58mm x 75 mm, black PA66 fiber glass reinforced, with gasket. Opening by center M4 screw without access to end user. (When the screw cap is pushed in, it is impossible to remove the cover)

Ingress protection class: IP66.

Cable gland: M20, PA66.

Thermowell: Includes one stainless steel thermowell 7mm ID.

Heating elements connections: Terminals with M4 stainless steel screw, nut and stainless steel washer. Supplied with brass straps for switching the two low voltage heaters from 12V to 24V. (Changing their connection from parallel to serial).

Not heating immersed zone: 50mm.

Surface load: see drawings

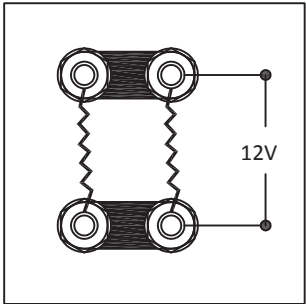
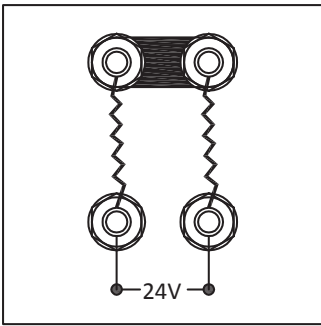
Voltage: 12 or 24V DC or AC.

Renewable energy immersion heaters (addition to catalogue 22)

Attention: Switching by a thermostatic device the heating elements in low voltage must be made by device **designed for low voltage use**, and withstanding the important intensity of these circuits. Similarly, the section of the power cables must be adapted.


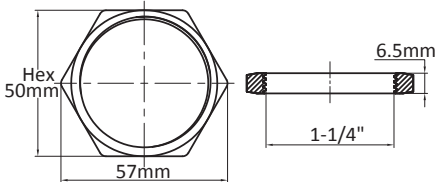
Intensity flowing in low voltage heating circuits			
Voltage	Power		
	150W	300W	600W
12V	12.5A	25A	50A
24V	6.2A	12.5A	25A

Electric Wiring

	
Straps position in 12V	Straps position in 24V

Main references in 1"1/4 BSPP

Power	2 x 150W 12V	2 x 300W 12V
Length (mm)	170	170
Surface load of 12/24V heating elements	3 W/cm ²	6 W/cm ²
Reference in AISI 304	9SFT402152307217	9SFN402302615217
Reference in Incolloy 800	9SFT402152307K17	9SFN402302615K17

 	References of Brass Nut	
	1"1/4	66NLC11465H50

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice