

PRODUCT SPECIFICATION

Immersion heater

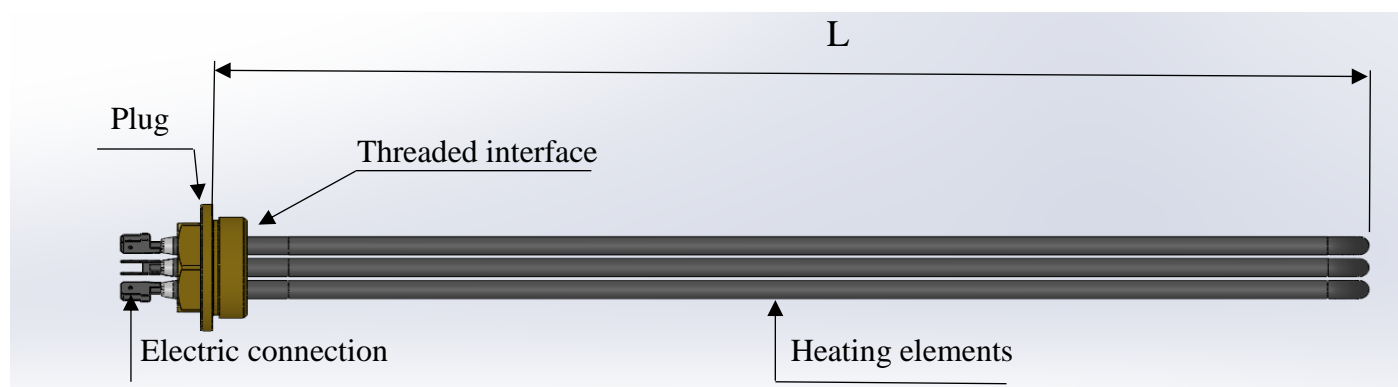
Water and oil application



APPLICATION

An immersion heater is an electric device which is placed inside a chamber containing a liquid to be heat up.

The immersion heater can be switched on and off easily by connect it to a timer to heat at specific times or a thermostat to keep the fluid inside a certain range of temperature: when the temperature drops below a certain level, the thermostat switch on the immersion heater until the liquid reaches the required heat level again.



IMMERSION HEATER FOR WATER

SCREW PLUG	Material	Stainless steel, brass
	Mechanical joint	Welding, brazing
	Ø screw plug [mm] or [inch]	M45 ; M77 ; ¾" ; 1" ; 1 ¼" ; 1 ½" ; 2" ; 2 ¼" ; 2 ½"
HEATING ELEMENTS	Sheath Material	AISI 316L, INCOLOY 800, INCOLOY 825, TITANIO
	Max. elements quantity	6
	Size Ø [mm]	6.25 ; 8.5 ; 10 ; 16
FLUID TEMPERATURE [°C]	60 ÷ 200	

Plug size	Max power [kw]	Max voltage [V]	Max load [W/cm ²]	Immersion length L [mm]
1 ½"	15	690	20	250 ÷ ...*
Up to G 2 ½"	60	690	20	250 ÷ ...*

(*) Customized length on request.

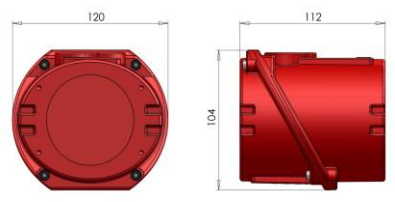
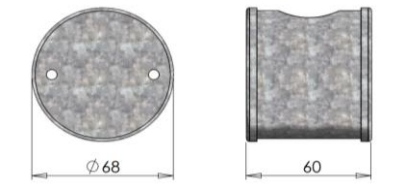
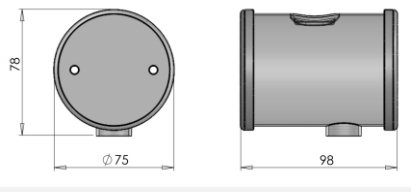
IMMERSION HEATER FOR OIL

SCREW PLUG	Material	Stainless steel, brass
	Mechanical joint	Welding, brazing
	Ø screw plug [mm] or [inch]	M45 ; M77 ; ¾" ; 1" ; 1 ¼" ; 1 ½" ; 2" ; 2 ½"
HEATING ELEMENTS	Sheath Material	AISI 304, AISI 316L, AISI 321
	Max. elements quantity	6
	Size Ø [mm]	6.25 ; 8.5 ; 10 ; 16
FLUID TEMPERATURE [°C]	80 ÷ 300	

Plug size	Max power [KW]	Max Voltage [V]	Max load [W/cm ²]	Immersion length L [mm]
1 ½"	3.5	690	4	250÷...*
Up to G 2 ½"	9	690	4	250÷...*

(*) Customized length on request.

PROTECTION BOX

SERIE ALPHA 	IP	65
	Material	Plastimid 6 (Nylon glass fibre reinforced) red or black colour
	Dimensions [mm]	104x120x112
	Note	Thermostat applicable
SERIE BETA 	IP	55
	Material	Aluminium or Steel Zinc plated
	Dimensions [mm]	68x68x60
	Note	Thermostat not applicable
SERIE GAMMA 	IP	55
	Material	AISI-304
	Dimensions [mm]	78X75X98
	Note	Thermostat not applicable

REGULATION THERMOSTAT (MOST USED)

TEMPERATURE RANGE [°C]	TWMP P/N	NOTE
7÷85	TS0880110	TERMOST. EGO 5560011190/00 16A 400V
30÷270	TERM270RA	TERMOST. EGO: 97.55192.032 R.AUTOM
70÷512	TER55340	TERMOSTATO TRIPOLARE EGO 50-500°C

SAFETY THERMOSTAT (MOST USED)

CUT OFF TEMPERATURE [°C]	TWMP P/N	NOTE
70	TERM3136	TERMOSTATO COD. OMEGA 10÷16A 250÷400V
98	TERM3090/2	COD. EGO: 55.14514.805
113	TERM0113	TERMOSTATO EGO COD. 55.13522.010/00