



CRN TECNOPART, S.A.

Sant Roc 30
08340 VILASSAR DE MAR (Barcelona)
Tel: 937 591 484 Fax: 937 591 547
e-mail: crn@crntp.com - www.crntecnopart.com



CT-170.10E

CIRCULATION HEATERS, SMALL MODEL (STANDARD)

Circulation heaters are made of a steel or stainless steel vessel equipped with 3 nozzles (input-output) and with an immersion heater (generally threaded) equipped with space to add a control device temperature.

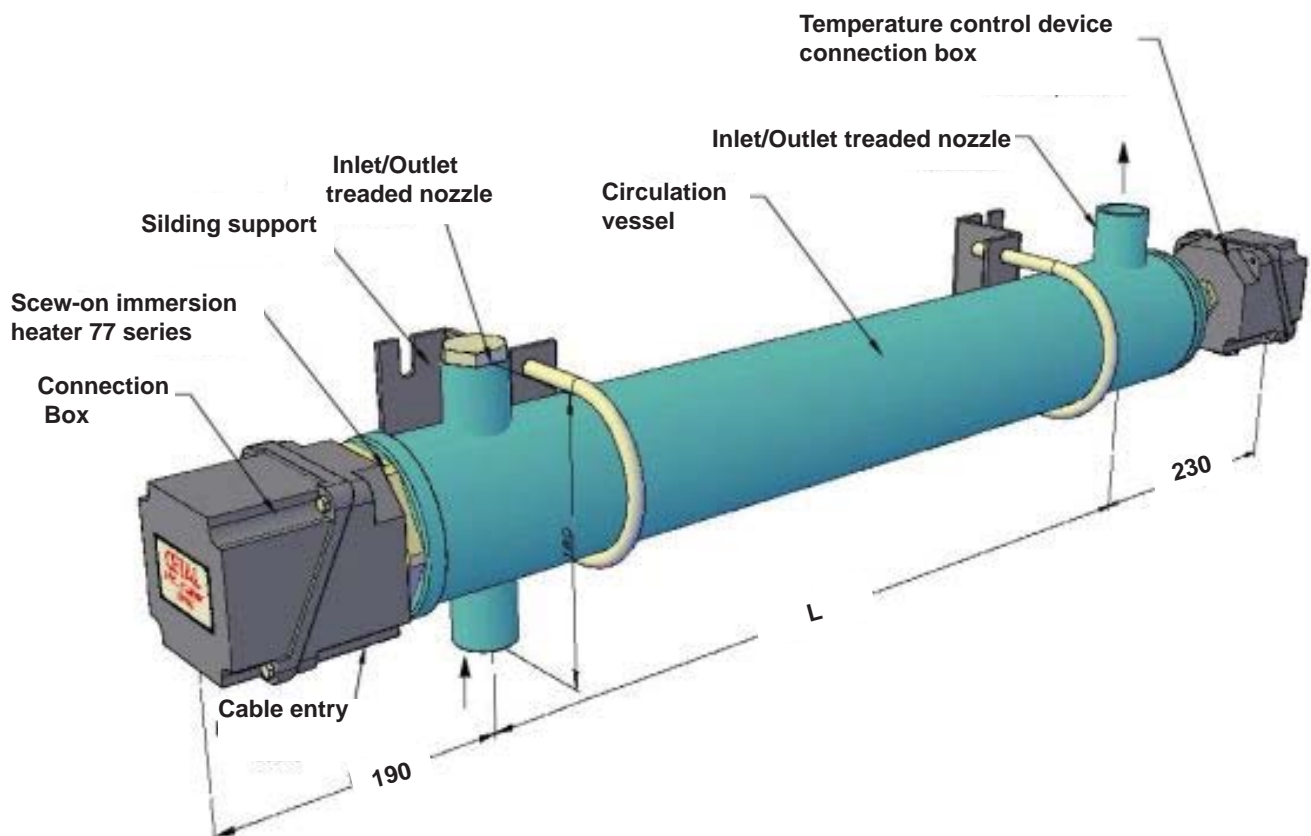
The Watt density (W/cm^2) is determined by the maximum fluid temperature to heat and the minimum required flow.
For temperature $< 110^\circ$ around the heater assembly, circulation heaters designed to heat fluid (liquid or gas) under maximum pressure of 15 bars, are equipped with non-remote housing. For temperatures $> 110^\circ C$, a remote temperature monitoring box is added to prevent overheating of the electrical connection.

Vessel $\varnothing 101.6 \times 3$, 6 painted steel or stainless steel with 3 nozzles 1" or 1 1/2" (3/4" on request)

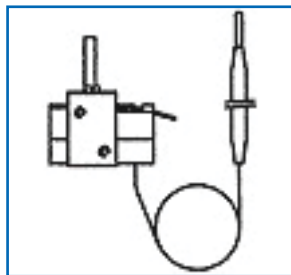
- Supplied with 2 removable mounting feet.
- Immersion heater with immersion well for temperature control ($15-95^\circ C$, $20-150^\circ C$, $30^\circ C$, $300^\circ C$), with offset box or not.
- Watt density (W/cm^2) depending on the nature of fluid and its minimum flow.
- Three different models are manufactured in terms of length L (Distance between axes of the inputs / outputs):
 - L = 350mm
 - L = 600mm
 - L = 1100mm

- Thermal insulation on request
- All stainless steel version on request.

MODELS AVAILABLE						
W	EPM-V Series 2 W / cm^2 AISI 321 Stainless Steel Tube		EPM-C Series 4 W/ cm^2 AISI 316Ti Stainless Steel Tube		EPM-K Series 8 W/ cm^2 Cooper Tube	
	L mm.	Model	L mm.	Model	L mm.	Model
3000	800	EPM-V-030	350	EPM-C-030	350	EPM-K-030
4000	1100	EPM-V-040				
4500			600	EPM-C-045		
5000					350	EPM-K-050
6000	1100	EPM-V-060	600	EPM-C-060	350	EPM-K-060
8000					600	EPM-K-080
9000			1100	EPM-C-090	600	EPM-K-090
10000					600	EPM-K-100
12000			1100	EPM-C-120	1100	EPM-K-120
15000					1100	EPM-K-150
18000					1100	EPM-K-180
24000					1100	EPM-K-240
		For fuel And thermal fluids			For thermal fluids and aqueous solutions	
					For water	



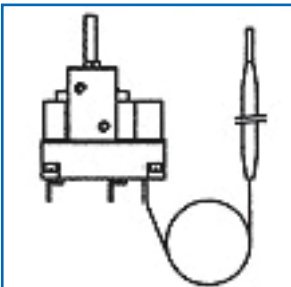
THERMOSTATS



TEMI SERIE

For ORPM / ORGM / ORS boxes (terminal box mounting)
Thermostat of capillary and bulb. Both in Stainless.
Unipolar 16A / 400Vc.a. internal setpoint.

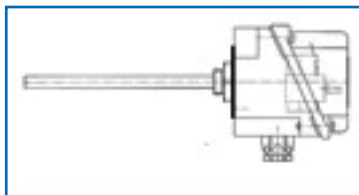
- MP 2910** Scale 0/40 °C Bulb 6/150 L= 850 mm.
- MP 2911** Scale 30/85 °C Bulb 6/95 L= 850 mm.
- MP 2916** Scale 30/110 °C Bulb 6 / 110 L = 870 mm.
- MP 2912** Scale 50/300 °C Bulb 3,1/160 L = 850 mm.



TETI SERIE

For ORPM / ORGM / ORS boxes (terminal box mounting)
Thermostat of capillary and bulb. Both in Stainless.
Tripolar 3 x 16A/400Vc.a. External setpoint.

- MP 2915** Scale 0/40 °C Bulb 6/215 L= 880 mm.
- MP 2913** Scale 30/85 °C Bulb 6/130 L= 880 mm.
- MP 2917** Scale 30/110 °C Bulb 6/40 L = 870 mm
- MP 2914** Scale 50/300 °C Bulb 6/80 L = 880 mm

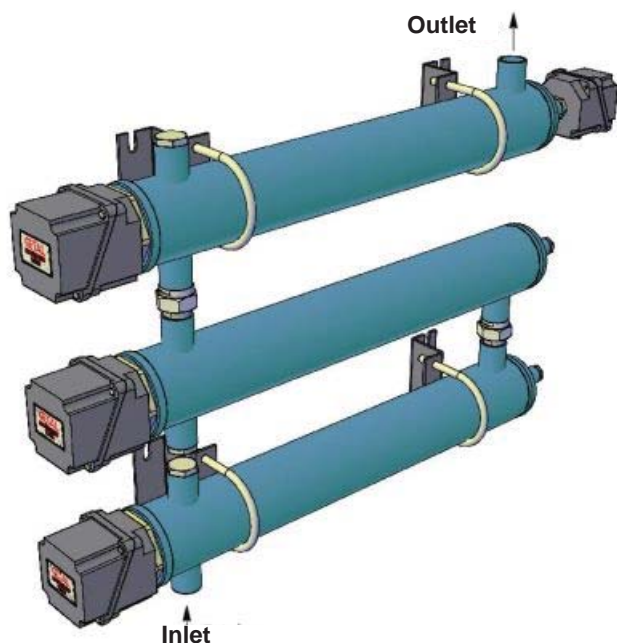


TEPM SERIE

For EPM step heaters. (Safety thermostat)
Cannula thermostat mounted in sheath thread 1/2 "
Contact 6A / 250V unipolar inverter. ORPM waterproof housing

- MP 2972** Scale 15/95 °C L= 160 mm.

Example Mounting set 3 vessels in serial Lg 1100mm



Example Serial connection double vessels Lg 600 mm

