

HEATER CMG WITH VERY LOW DENSITY LOAD FOR HYDRAULIC OIL GROUPS



The CMG heater is designed for maintaining temperature in tanks of hydraulic oil or other materials in which a stable temperature of approximately 25 °C is needed (starting up of hydraulic groups, etc.).

Thanks to the large surface of the aluminum radiator we obtain a really low density load of the heater, ensuring a maximum surface temperature of the element of 60 °C, even working dry. In this way we avoid risks of oil cracking, prolonging the element life.

The heater incorporates two powerful magnets which, apart from being used to fix a position in the metallic tank, attract potential small magnetic particles in suspension that could damage the hydraulic groups.

General characteristics

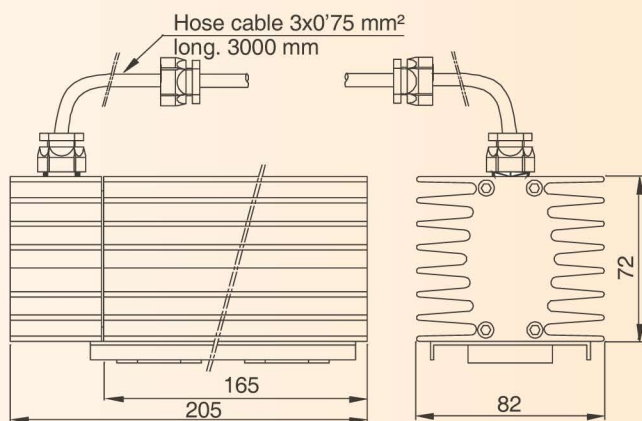
- Degree protection against moisture IP66.
- Profile in black aluminum.
- Supports base in galvanized steel with two powerful magnets to fix the resistance to metallic deposits and at the same time to attract metallic particles in suspension.
- Fixed temperature thermostat at 28 °C with differential of 11 °C.
- Silicone hose cable of 3x0,75 mm² with PG9 for tank exit
- PG9 for cable hose.
- Watertight gaskets.
- Option: If you require, we can supply finished CMG heater with 3/8" pressure connection with metallic mesh of 1200 mm length

Usual applications

- Hydraulic oil baths
- Positioners
- Lifts
- In general, all baths that need a stable calorific input to maintain a temperature of 25 °C.

Code	Volts	Watts	W/cm ² (*)	Weight in Kg
CMG020	~230	200	0,14	2,6

(*) The load density of the apparatus is taken with respect to the aluminium radiator.



METALLIC HEATING CLAMP FOR DRUMS



“AF” RANGE

Very robust construction based on elements with stainless steel AISI 321 or 304L tube covered with a galvanised steel layer.

General characteristics

- Standard model for drums 200 Lts (Ø580 mm).
- Tubular elements with stainless steel AISI 321 or AISI 304L tube.
- The outside of the clamp is insulated by a mineral sheet protected by a galvanised layer.
- Closing with double buckle.
- Power: 1,3 KW (2x650 W)
- Standard voltage ~230 V
- Other dimensions and voltages are available on request

Code	Dimensions in mm		Watts	W/cm ²	Tube material	Santi Escoin's construc. thermic class	Weight in Kg
	Øint.	Wide					
AF001	580	120	2x650	1,77	AISI 321 ó 304L	T-700-T	5,7

Method of use

- Place the clamp as low as possible on the drum, making sure that the contact with its surface is good. (Do not place on the ridged rigidifiers).
- Check that the level of the liquid is higher than to the position of the clamp. If you foresee variations in the liquid level within the drum, see our magnetic level switches and our level controllers for conducting liquids, solids and granulates (See pages 120, 121 and 122). This eventuality is of special importance when the drums are made of plastics or derivatives, given the fact that using the clamp with an inadequate level in the drum could lead to its premature deterioration.
- Check the highest temperature to which you can raise the liquid, and if necessary, place a thermostat within the drum and make the relevant connections. (To choose the thermostat, see Division Forcosa nº 927 of our general Catalogue and the present catalogue page nº 22, if they are aggressive liquids).
- Do not cover the drum hermetically. The heating of liquid with the drum closed could cause a rise of the pressure inside it. If it is not possible, we suggest that you place a pressostat that will limit the pressure in the drum. (see Division Forcosa nº 927 of our general Catalogue).

