MARINE CALORIFIER

DRG-0.5 Marine Electric steam heat Calorifier

Suitable for marine ship persons and offshore platform

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

Category	Marine Calorifier
Standard	EN
Material	Carbon Steel, SS304
Weight / Size	Model DRG- 0.5 Capacity （m3） 0.5 Working pressure （MPa） 0.4 (60℃) Design pr...
Certificate	CCS,GL,BV etc.

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Marine Calorifier	**Model / SKU**	DRG-0-5-Marine-Electric-steam-heat-Calorifier
Standard	EN	**Material**	Carbon Steel, SS304
Weight / Size	Model DRG- 0.5 Capacity（m3） 0.5 Working pressure（MPa） 0.4 （60℃） Design pressure （MPa） 0.44 Test pressure （MPa） 0.66 Safety valve open pressure（MPa） 0.42 Water inlet temperature（℃） 15 Water outlet temperature（℃） 65 Working temperature（℃） 0~65 Design temperature（℃） 80 Heated water capacity（kg/h） 720 Electrical heating power （kW） 48 The thickness of the external thermal layer（mm） 40 The thickness of outer galvanized sheet steel（mm） 0.7 Electricity AC380、50Hz、3φ/AC440V、60Hz、3φ	**Surface**	galvanized
Certificate	CCS,GL,BV etc.	**Warranty**	12 Months unless specified otherwise
Origin	China		

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Principle Description:

This series calorifier can be combined to use with fresh water pressure tank on board, that is to use fresh water in fresh hydrophore replenish this tank, and then heated by electric for usage of entire vessel. Temperature controller: The water temperature in tank is controlled by two WTZK-50-C pressure type temperature controllers; If the water temperature in tank is lower than 50℃, the power will be on automatically and the electric heater will begin to heat; If the water temperature in tank is higher than 65℃, the power will be off automatically and the electric heater will stop heating.

Pressure gauge: to show the pressure in tank.

Thermometer: to show the water temperature in tank.

Safety valve: If the pressure in tank is more than 0.42MPa, the safety valve will open to release the pressure in tank.

Note: Never wind the raw material belts into the inlet of safety valve when installing the safety valve.

Float level Switch: to protect the electric heater, if the liquid level in tank is lower than float level switch, the electric heater will cut off automatically.

Electric control box: There two kinds of hot water controlling: manual control and auto control. When the change-over switch SA2 is turned to “Manual”, the electric heater will start to heat until the water in tank reaching 65℃. Then the electric heater stops heating. When the change-over switch is turned to “Auto”, at this moment, if the water temperature in tank is lower than 50℃, the electric heater will start to heat automatically until the water in tank reaching 65℃. Then the electric heater stops heating. If the float level switch finds that there is no water in hot water tank, the electric heater controlled by electric control box will not work. For the hot water tank which has two or three groups of electric heater, the device will adopt segmentation heating method to realize due to the large power of electric heater. 1min later, another group electric heater will start to work. By that analogy, all of the electric heater will stop heating after the water in tank reaching 65℃.

Technical Spec.:

Model	DRG-
0.5	
Capacity (m3)	0.5
Working pressure (MPa)	0.4 (60℃)
Design pressure (MPa)	0.44
Test pressure (MPa)	0.66
Safety valve open pressure (MPa)	0.42
Water inlet temperature (℃)	15
Water outlet temperature (℃)	65
Working temperature (℃)	0~65
Design temperature (℃)	80
Heated water capacity (kg/h)	720
Electrical heating power (kW)	48
The thickness of the external thermal layer (mm)	40
The thickness of outer galvanized sheet steel (mm)	0.7
Electricity	AC380、50Hz、3φ/AC440V、60Hz、3φ


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