MARINE OIL WATER SEPERATOR

YWC-5.00 Marine Bilge Oil Water Separating Equipment

ISO9001 Supplier

Class Certificate

Export Supply

YWC series 15ppm bilge separator is a kind of environment protection product designed om international marinetime orianization IMO MEPC.107(49) standard



Key Highlights

Category	Marine Oil Water Seperator
Standard	DIN
Material	Carbon Steel
Weight / Size	Rated capacity 5.00 m3 per hour Power of the electric heater 12kw Power ...
Certificate	BV, CCS, GL

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

Technical Specifications

Category	Marine Oil Water Seperator	**Model / SKU**	YWC-5-00-Marine-Bilge-Oil-Water-Separating-Equipment
Standard	DIN	**Material**	Carbon Steel
Weight / Size	Rated capacity 5.00 m3 per hour Power of the electric heater 12kw Power of the electric motor 2.2kw Outline Dimension(LxWxH) 2590x2000x1900 Base 10# Weight Dry Weight 2500 Wet Weight 4600 Applicable Vessel >300DWT Optional electrical system AC 380V/50Hz/3 phase,AC 415V/50Hz/3 phase, AC 440/60Hz/3 phase,AC 480V/60HZ/33 phase.	**Certificate**	BV, CCS, GL
Warranty	12 Months unless specified otherwise	**Origin**	China

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Marine Bilge Oil Water Separating Equipment :

Rated capacity:5.00 m3/h

This Marine Bilge Water Separator can treat in bilge water effectively,make the oil content in effluent water≤15ppm,satisfy with the requirements of IMO MEPC.107(49).

Working Principle:

The device adopts the combination of 1st stage, cone plate gravity and coalesce separation

2nd stage, fiber filter and 3rd stage, membrane permeation in order to make the treated bilge water to reach the requirements of discharge standard of the resolution of IMO MEPC.107 (49).



Drawing of Oil Water Separating Processor.png

As shown inthe enclosed drawing,bilge water comes into the 1ststage coalescer separator because of the suction of theFeedingpump, that is in a vacuum negative pressure, and it effectively prevents the problem that the bilge water is difficult to be separated because of the emulsion caused by feed pump under pressure. The liquid coming out ofFeedingpump is adsorbed and filtered by the 2ndstage fiber filter, and then goes into the 3rdstage membraneto reach the discharge standard.

There is a 15ppm bilge alarm in the ship cabin to measure the oil content of effluent. If it finds that the oil content of effluent is in an excess of limit, the oil content meter can make order to switch turn it into the 3rdstage, membrane treatment process.

The oil content meter will give an alarm if finds the oil content of effluent is above limit, and the unqualified water pneumaticthree-wayvalveVS6is opened automatically, so that the unqualified water is return to bilge, not to the overboard.

Technical Data:

Rated capacity		5.00 m3 per hour
Power of the electric heater		12kw
Power of the electric motor		2.2kw
Outline Dimension(LxWxH)		2590x2000x1900
Base		10#
Weight	Dry Weight	2500
	Wet Weight	4600
Applicable Vessel		>300DWT
Optional electrical system		AC 380V/50Hz/3 phase,AC 415V/50Hz/3 phase, AC 440/60Hz/3 phase,AC 480V/60HZ/33 phase.
Oil content of the discharged water		Not more than 15ppm
Suction head		Not more than 6m-H2O

Pressure of the discharged water	5-10m-H2O

Lloyd Engineer Inspection:

Two sets YWC-5.0 export to UK shipyard, this is under testing by the LR engineer.

