Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

MARINE OIL WATER SEPERATOR

YWC-4.00 Model 15PPM Oily Water Separator

ISO9001 Supplier

Class Certificate

Export Supply

15PPM Oil Ballast Water Separator: Rated capacity:4.00 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...

Key Highlights

Category	Marine Oil Water Seperator
Standard	DIN
Material	Carbon Steel
Weight / Size	Type YWC- Technical Specifications 0.25 0.5 1 1.5 2 2.5 3 4 5 Rated capa...
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-4-00-Model-15PPM-Oily-Water-Separator
Standard	DIN	**Material**	Carbon Steel
Weight / Size	Type YWC- Technical Specifications 0.25 0.5 1 1.5 2 2.5 3 4 5 Rated capacity(m3/h) 0.25 0.5 1 1.5 2 2.5 3 4 5 Oil content of the discharged water Not more than15ppm Power of the electric heater（kw） 1kw 3kw 6 6 6 6 6 12 12 Electrical System AC 380V、50Hz、3φ/ AC 415V、50Hz、3φ/AC 440、60Hz、3φ/AC 480V、60HZ、3φ Power of the electric motor 0.37kw 0.55kw 0.75kw 1.1kw 1.1kw 1.5kw 1.5kw 2.2kw 2.2kw Suction head Not more than 6m-H2O Pressure of the discharged water 5-10m-H2O Outline Dimension （Length×Width×Height）(mm) 1000×600 1100×690 1050×1000 1100×1130 1900×1120 1900×1120 1700×1500 2280×1700 2590×2000 ×1250 ×1460 ×1620 ×1650 ×1700 ×1900 ×1900 ×1900 ×1900 base 5# 6# 6# 6# 8# 8# 8# 10# 10# Weight Dry Weight 400 600 800 1060 1260 1500 1800 2100 2500 Wet Weight 550 900 1200 1650 2260 2800 3200 3900 4600 Lloyd Engineer Inspection:	**Certificate**	BV,CCS, GL
Warranty	12 Months unless specified otherwise	**Origin**	China

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15PPM Oil Ballast Water Separator:

Rated capacity:4.00 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:

Type		YWC-								
Technical Specifications		0.25	0.5	1	1.5	2	2.5	3	4	5
Rated capacity(m3/h)		0.25	0.5	1	1.5	2	2.5	3	4	5
Oil content of the discharged water		Not more than15ppm								
Power of the electric heater (kw)		1kw	3kw	6	6	6	6	6	12	12
Electrical System		AC 380V、50Hz、3φ/ AC 415V、50Hz、3φ/AC 440、60Hz、3φ/AC 480V、60HZ、3φ								
Power of the electric motor		0.37kw	0.55kw	0.75kw	1.1kw	1.1kw	1.5kw	1.5kw	2.2kw	2.2kw
Suction head		Not more than 6m-H2O								
Pressure of the discharged water		5-10m-H2O								
Outline Dimension (Length×Width×Height) (mm)		1000×600	1100×690	1050×1000	1100×1130	1900×1120	1900×1120	1700×1500	2280×1700	2590×2000
		×1250	×1460	×1620	×1650	×1700	×1900	×1900	×1900	×1900
base		5#	6#	6#	6#	8#	8#	8#	10#	10#
Weight	Dry Weight	400	600	800	1060	1260	1500	1800	2100	2500
	Wet Weight	550	900	1200	1650	2260	2800	3200	3900	4600

Lloyd Engineer Inspection:

Export to UK shipyard, this is under testing by the LR engineer.