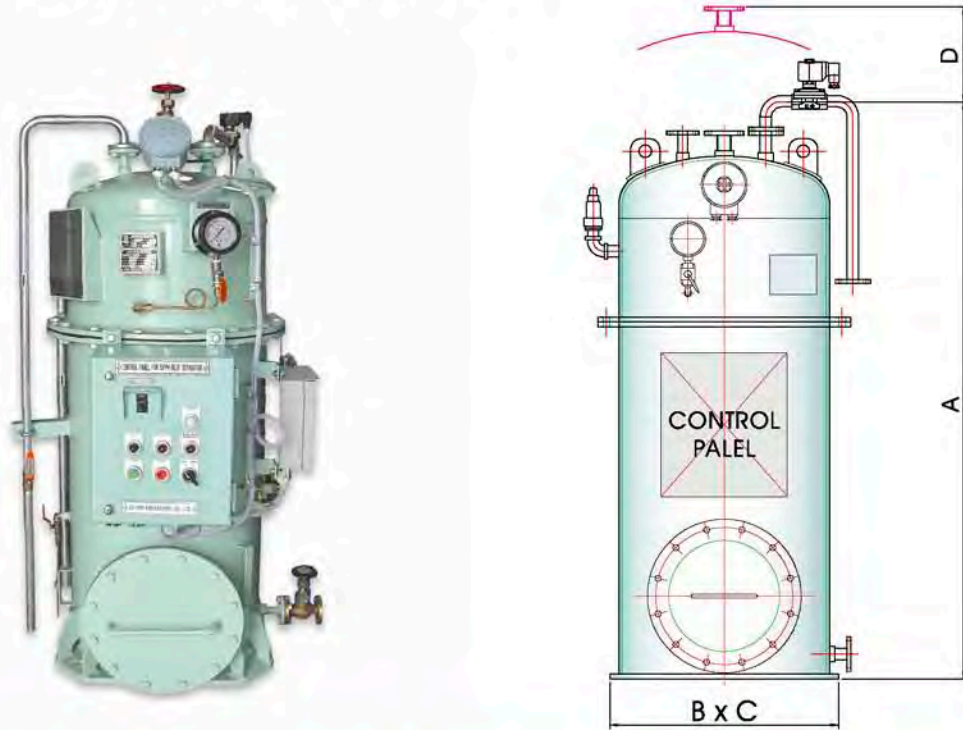


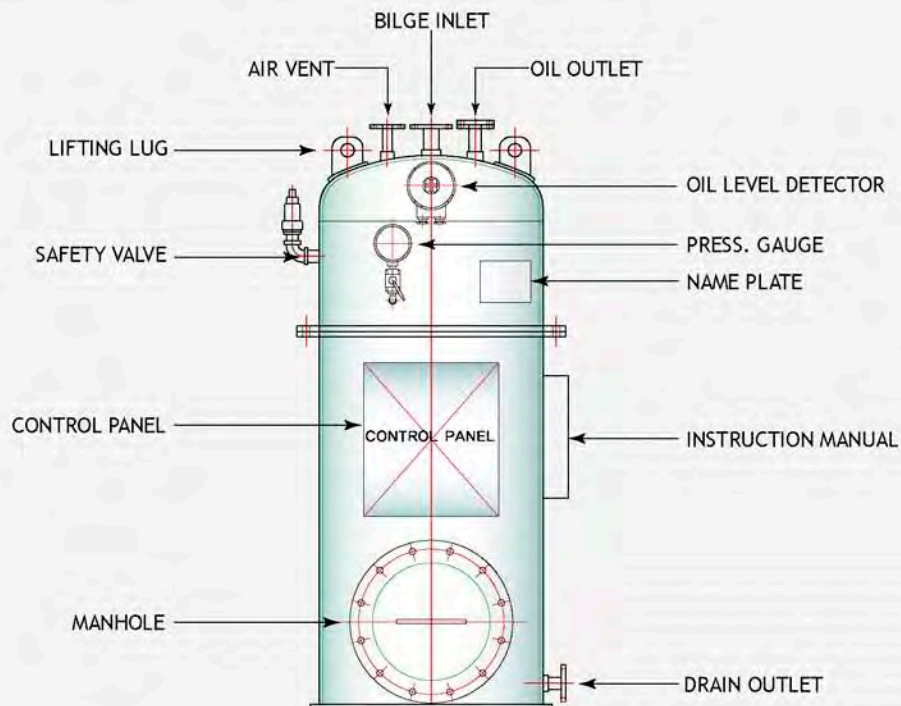
15PPM BILGE SEPARATOR

TYPE : GRS-02EB,03EB,05EB

1. Tested According , IMO Resolution MEPC. 107(49).
2. Selfcleaing System with Manual Backwashing



MODEL	CAPACITY	A	B	C	D	INLET	OUTLET	OIL OUTLET	WEIGHT(kg)	
									EMPTY	FULL
GRS-02EB	0.2M ³ /HR	1,170	360	360	200	20A	20A	15A	145	230
GRS-03EB	0.3M ³ /HR	1,320	440	440	200	20A	20A	15A	180	330
GRS-05EB	0.5M ³ /HR	1,390	550	550	200	20A	20A	20A	260	510



supplier : manage@findotek.com

WORKING PRINCIPLE

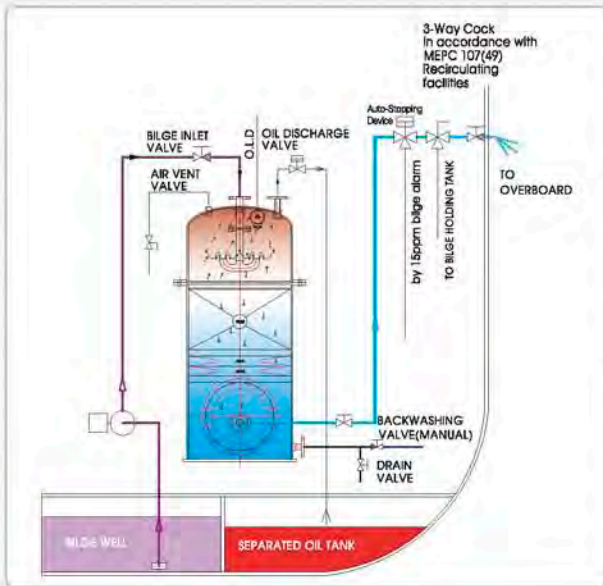


Fig. 1 SEPARATION OF OIL AND WATER

GRS-TYPE 15PPM BILGE SEPARATOR separates oil and water by difference of their specific gravity.

The oily water is commenced to be separated when passing 4-way distributing device, and the floated and accumulated oil are collecting into the upper part of 1st chamber of the 1st vessel and also the remains including minute oil particles of oily water passes through the Palling & Urethane Coalescer equipped in the 2nd chamber of the 1st vessel.

During this process, the size of oily particle become great and floating speed of the particles are increased, thus the oil floats easily. As the emulsified oil is removed by Coalescer equipped in the 3rd chamber of the 1st vessel and 2nd vessel (Emulsion Treatment Unit), and then water is discharged under the condition of below 15PPM (or 5PPM) of oil density.

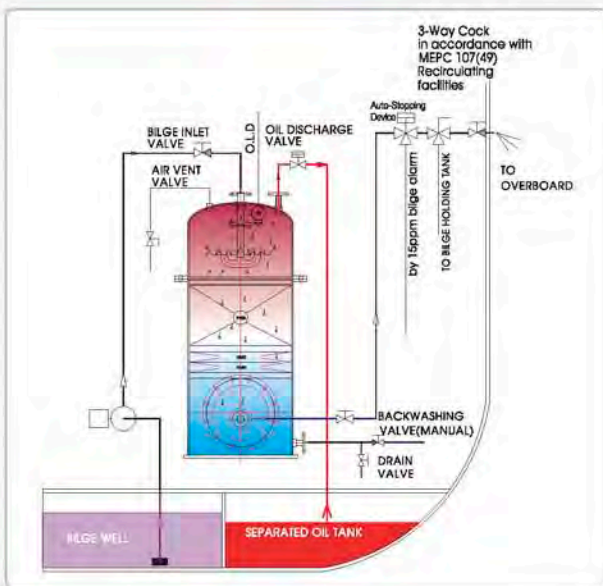


Fig. 2 OIL DISCHARGE

When the collected oil in the upper part of the 1st chamber is detected by the oil level detector, the oil discharge valves is opened and oil is discharged at the same time.

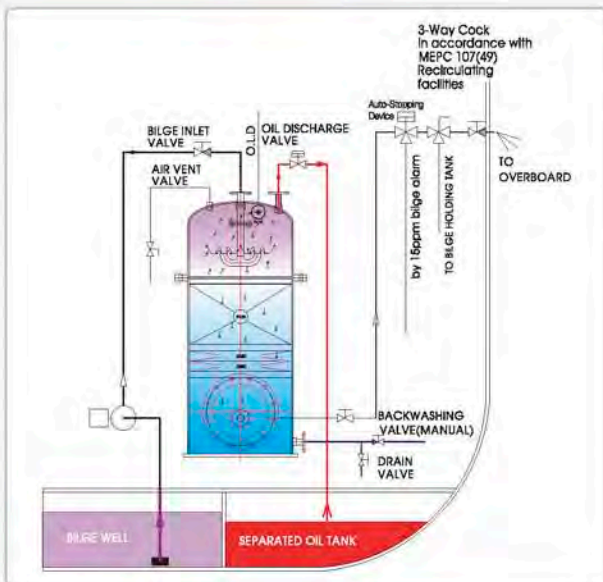


Fig. 3 BACKWASHING

By washing the inside of the equipment after opening the air vent valve and manual backwashing water inlet valve, the coalescer filter in the 3rd chamber and palling & urethane coalescer in the 2nd chamber are cleaned by Backwashing water. As the result, it's performance and efficiency are maintained by discharging the floating objects and oil in the equipment.