

BILGE SEPARATOR

Feature

1. Easy Maintenance / Cleaning

Overhaul is available from the front side.

2. Easy Installation & Piping

As the position of bilge inlet, treated water outlet, separated oil outlet are all in the same direction, installation and piping work is efficiently made.

3. World Smallest Size

As compactly designed, on-board retrofit work can be easily achieved on the same base where existing Bilge Separator is fitted.

SEPARATION PROCESS / OUTLINE ►

PIPING ARRANGEMENT ►

OPTION ►

BILGE ALARM ►

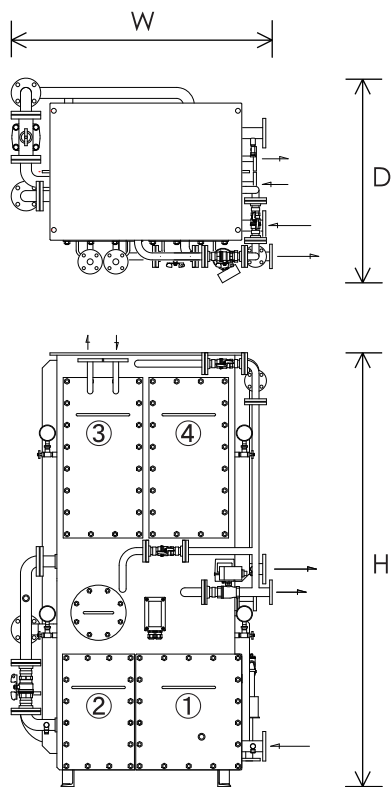


HSN-KIKAI KOGYO CO.,LTD.

BILGE SEPARATOR <SEPARATION PROCESS / OUTLINE>

Separation Process

- 1. First Stage (Multi-parallel plate)**
Oil particles grow large through multi-parallel plates, and corrected oil is periodically and automatically discharged.
- 2. Second Stage (Emulsion breaker)**
Emulsion is de-emulsified to change to original oil.
- 3. Third Stage (Coalescer)**
More than 90% of de-emulsified oil is separated by coalescer.
- 4. Fourth Stage (Fine Coalescer)**
Final separation is achieved in this stage to discharge clean water overboard.

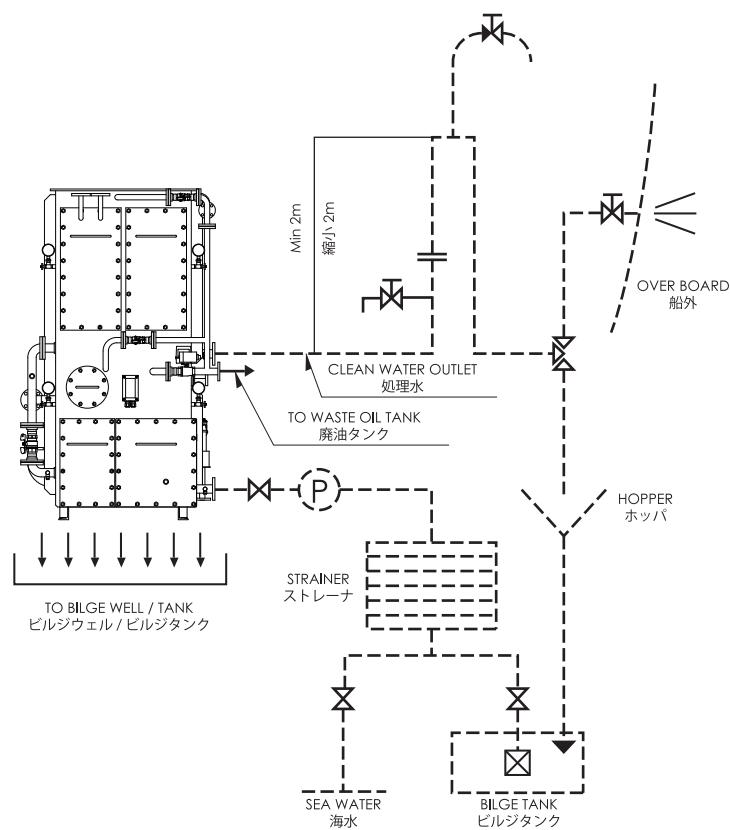


Standard Components

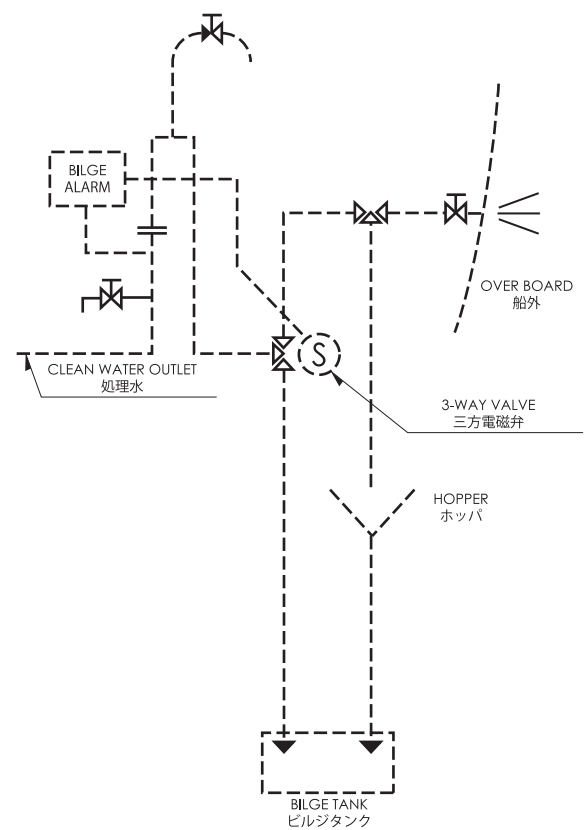
- 1. Relief valve
- 2. Pressure Gauge
- 3. T-shape strainer
- 4. Oil level probe
- 5. Oil Discharge valve
- 6. Automatic Discharge valve

処理内容 Rated Capacity (m ³ / h)	型式 Model	寸法				重量 / Weights (kg)	
		W	D		H	空水	満水
		製品 / Body	製品 / Body	メンテナンス / M.S.	製品 / Body	Empty	Full
0.5	HFM-50	722	480	600	1156	254	375
1	HFM-100	877	570	600	1341	392	632
2	HFM-200	1017	797	600	1689	656	1141
3	HFM-300	1128	867	600	1797	820	1548
5	HFM-500	1351	1022	600	2067	1230	2410

BILGE SEPARATOR <PIPING ARRANGEMENT>



Without Bilge Alarm
(For ships of 400 - 10,000 G/T)



With Bilge Alarm & Automatic 3-way Valve
(For ships of above 10,000 G/T)

BILGE SEPARATOR <OPTION>

Option

- Bilge Pump
- 15ppm Bilge Alarm
- Automatic 3-way valve
- Pressure adjusting valve
- Oil level detector
- Steam heater

Bilge Pump



15ppm Bilge Alarm



Pressure adjusting valve



Oil level detector



15 PPM BILGE ALARM



BilgMon 488

Main Features

- Unique system of onboard replacement of the measuring cell.
- Measuring cell simple to replace due to wireless design.
- Easy to operate with 4 only pushbuttons.
- Userfriendly menu.
- Compact design.
- 32 character LCD, with LED background light.
- Relays and input are protected by "PTC" resistor fuses. Fuses are reset by disconnection of power supply - no regular fuses to replace.
- System running status shown on LCD in real time.
- Suitable for both newbuildings, as well as existing ships.
- Can be attached to any oily water separator type.

