

# Bilge Separator

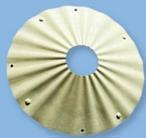


- Integrated & compact design with small footprint.
- Self-cleaning polymer filter ensures expanded lifespan.

Developed in accordance with IMO resolution MEPC.107(49) and other pertinent regulations, the Headway Bilge Separator aligns with MARPOL Appendix I requirements for processing bilge water and meeting discharge standards. Utilizing oleophilic hydrophobic polymeric filtration material, our system efficiently collects and separates oil from water. The self-cleaning fine filter elements simplify maintenance with a one-key operation, while the compact structure and highly automatic functionality ensure 24-hour autonomous operation. Proudly holding CCS, DNV, EC approval, the Headway Bilge Separator stands as a testament to its reliability and compliance with stringent industry standards.



## Components



### Inclined Plate Array

Inclined plate features a corrugated design crafted from non-metallic materials, enhancing the efficiency of oil-water separation.



### Coalescence Filter

Crafted from distinctive polymer materials, our system leverages the unique lipophilic and hydrophobic properties, allowing oil droplets to coalesce and facilitating efficient separation.



### Membrane Separation

The membrane components, crafted from modified PP material, exhibit exceptional resistance to adhesion by oily wastewater on the membrane wall. This ensures prolonged adherence to discharge water standards, consistently meeting regulatory requirements over time.

## Type Approvals



CCS type approval



DNV type approval



EC approval

## Comparison of Water Samples

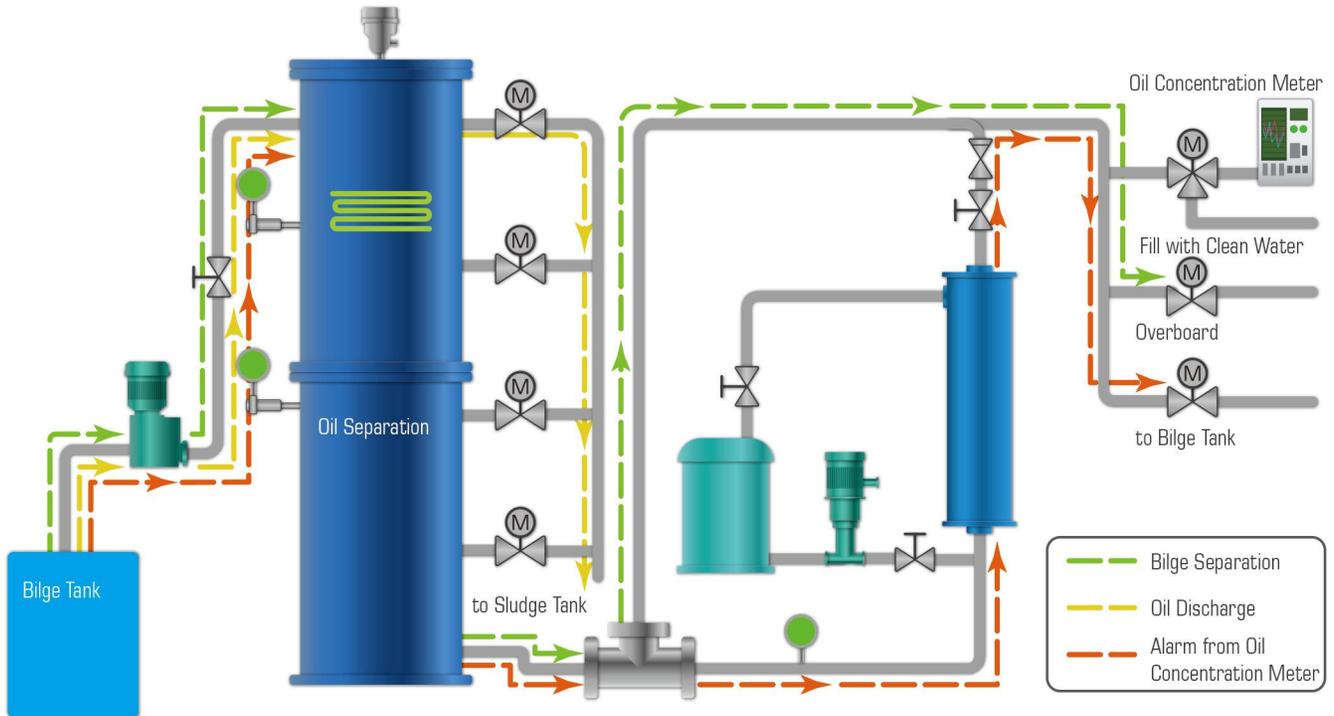


Before Separation



After Separation

## Working Flow



## System Specification

Technical Data \ Model	HYS - 0.25	HYS - 0.5	HYS - 1	HYS - 2	HYS - 3	HYS - 5
Rated Capacity (m <sup>3</sup> /h)	0.25	0.5	1	2	3	5
Power Consumption (kW)	2.3	2.4	3.5/3.7	3.9	6.3/6.7	6.5/7.4
Oil Content after Treatment (ppm)	15/5					
Working Medium Temperature (°C)	5~40°C					
Working Pressure (MPa)	≤0.25					
Air Pressure (MPa)	0.6~0.8					
Electric Source Spec	AC - 3 φ 380V/50Hz, 440V /60Hz					

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