



A fine thing for the environment

Whether container ship, oil tanker or freighter: bilgewater is produced on every ship. This leads to considerable disposal problem, because before the bilgewater can be discharged into the sea, this explosive mixture must be intensively treated in accordance with the requirements of the International Maritime Organization (IMO). Efficient and economical systems for bilgewater deoiling are perfect helpers here.

A partnership of responsibility

Since 01 January 2022, FILCOM GmbH has been an authorized cooperation partner for the aftermarket bilge water deoiling sector for Filtration Group, headquartered in Hamburg. The portfolio of FILCOM GmbH includes original spare parts for FG bilgewater deoilers as well as filtration and separation solutions for maritime applications and the complete marine operation technology. A sophisticated logistics concept ensures a safe, efficient and fast supply of spare parts. The cooperation is the perfect interplay of expertise, commitment and inventiveness.



FG separation systems
Picture source: Filtration Group Industrial

EFFICIENT BILGEWATER DEOILING

Challenge bilgewater deoiling

Bilgewater is generated by leakages, during the dewatering of settling and sludge tanks, and by the discharge of various cleaning processes. Bilgewater collects in the bilge in the lower part of the ship's hull and can contain salt water, cooling water, fuel and lubricating oil, soot and dirt particles. These impurities must not be allowed to enter the seawater under any circumstances.



The residual oil content of max. 15 ppm permitted for bilgewater to be discharged can be guaranteed today without any problems. But the development continues. For example, increasingly stringent environmental protection requirements must be met worldwide, such as NSA (National Special Areas) and PSSA (Particularly Sensitive Sea Areas). So-called „Green Ship“ or „Green Harbour“ requirements also demand even more efficient deoiling solutions with residual oil content ≤ 5 ppm.

SPARE PARTS PORTFOLIO FOR BILGE WATER DEOILING

Original manufacturer spare parts for use in efficient Filtration Group separation systems for bilge water deoiling in shipping as well as on offshore platform are an important guarantor for maritime environmental protection. FILCOM GmbH offers an extensive stock of coalescers and spare parts to cover a high quality demand.

Clean water in two stages: Bilgewater deoiler

Bilgewater deoilers from Filtration Group Industrial quickly and reliably remove impurities and contaminants from bilgewater in two stages: In the first stage (MPS), the phases water, oil and solids are separated. In the second stage (MESB) the reliable and permanent separation of finest oil droplets $\geq 1 \mu\text{m}$ (emulsion / dispersion) takes place. FG bilgewater deoilers operate almost maintenance-free and without the use of chemicals and thermal energy.

APPROVALS

The deoiler and the oil alarm monitor are approved according to IMO Resolution MPEC.107(49). FG bilge water deoilers also meet the requirements of all major classification societies.



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