JOWA 3SEP
OILY WATER SEPARATOR

OILY WATER TREATMENT SYSTEMS

APPROVED FOR

DNV CP-0208 (5ppm)and 107(49) (15ppm)

The 3SEP OWS is a dual stage oily bilge water separation system utilizing differential specific gravity, coalescence plates and filtration to separate and remove free and emulsified oil.

JOWA

an IMS GROUP company

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Function

The system is designed for a continuous flow with automatic operation. The system does not require any chemicals.

The first stage removes the free oil by gravity with the help of coalescence plates. An adjustable oil sensor controls the valve for automatic oil release to the sludge tank or any other dedicated tank. The adjustable oil sensor makes it possible to minimise the amount of treatable water released to the sludge tank.

In the second stage emulsified oil is removed in the two filter tanks and the ppm value is monitored by a ppm bilge alarm, before the treated water is discharged overboard. The collected free oil on top of each filter tank is released automatically to the sludge tank at a pre-set interval. When a the alarm occurs, the 3SEP OWS will automatically close the overboard line and re-circulate the treatable water to the bilge. When the contamination falls below the set ppm the overboard valve will open again without human intervention.

The system is designed as a skid assembly with all connection points collected, for easy installation. When the unit reaches the customer the only remaining thing to do is to connect water inlets and outlets and the electrical power supply, facilitating quick and easy installation onboard. Before leaving our workshop each unit has to pass a quality-test, where all functions are tested.

All equipment has the highest quality; the tanks are made of acid proof stainless steel, AISI 316L. Our pumps are supplied by internationally recognised brands. Spare parts are easily available from one of our offices or representatives worldwide.

Main features

» 107(49) (15ppm) / DNV CP-0208 (5ppm)

» Treated water below 5ppm

» Separates free and emulsified oil

» Continuous flow with automatic operation

» Does not require any chemicals

» Plug n' play, easy installation

» Skid design, small footprint

» High quality material and parts

» Tanks made of stainless steel, AISI 316L

» Can easily be connected to JOWA EBU unit for less than 5ppm applications

» Capacity range 0.5-10 m3/h

» Approvals; DNV, CCS, USCG & RMRS

Size	Capacity (m3/h	Width (mm)	Length (mm)	Height (mm)	Weight (kg)
3sep-0,5	0,5	740	950	1395	260
3sep-1,0	1	875	1165	1785	260
3sep-2,5	2,5	1045	1495	1785	400
3sep-5,0	5	1375	1775	1850	525
3sep-10,0	10	1510	2095	2260	850