

# RWO's Classic: OWS-COM Oily Water Separator

**RWO**

## Complying With Your Challenges Fulfilling the 5 ppm Standard

More than 16000 ships have already been equipped with RWO's oily water separators since RWO started its business in 1975. The OWS-COM system uses a combination of **highly effective open porous coalescer with automatic backflushing, together with a second stage emulsion breaking oil and hydrocarbon polisher.**

The periodical backflushing keeps the coalescer surface clean and offers long lasting operation according to IMO MEPC.107(49). The OWS-COM is part of RWO's leading **Total Water Management** offer.

Reliably reaches

**5 ppm  
limit**

confirmed by  
DNV GL and LR

- > IMO type approved
- > MED certified by German Administration
- > Approved by USCG, ABS, DNV-GL, RMRS, RRR, CCS



  
**Mackay**  
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**MARINE WATER TECHNOLOGIES**

# Oil Content Monitor

The RWO oily water separating system is equipped with a 15 ppm oil content alarm device, type tested and approved in accordance with IMO Resolution MEPC.107(49). During flushing of the sensor the overboard discharge valve is in recirculation mode.

According to IMO MEPC.107(49) an additional hand-operated 3-way valve is installed downstream of the oily water separator in the overboard line to recirculate the water to the bilge whenever required during Port State Control.



# Automatic Bypass

To extend the operating life of the demulsifier, an automatic bypass is fitted to the separating system. The oil content monitor periodically checks the water quality of the first stage separator. If below the set max. value, the demulsifier is bypassed. This results in lower operational cost and long product life.



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## Key Features & Benefits

- > Most economical: second stage is bypassed whenever possible
- > Easy to install and maintain
- > Oil monitoring device continuously checks effluent
- > Suction type: preserves pump from attrition
- > Most compact: suitable for newbuildings and retrofits
- > Improved hydrodynamics for longer polisher lifetime

Type	Capacity m <sup>3</sup> /h	Length mm	Width mm	Height mm	Power kW	Empty weight kg
0.1	0.1	715	650	1100	0.8	125
0.25	0.25	960	750	1005	2.6	180
0.5	0.5	970	750	1050	3.2	195
1.0	1.0	1170	800	1220	3.2	270
2.5	2.5	1510	1060	1485	3.7	457
5.0	5.0	1825	1385	1715	4.6	757
10.0	10.0	2155	1575	2000	5.7	1195