



OWS-COM

Oily Water Separator

RWO  VEOLIA

Complying with your
challenges fulfilling the
5 ppm standard



WATER TECHNOLOGIES

RWO's classic: Oily Water Separators

More than 14,000 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 Resolution 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

>**type
approved**
acc. to MEPC.107(49)
by DGUV

>**confirmed by**
USCG, LR, MED, RMRS,
ABS, BV, CCS

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.



Your key benefits

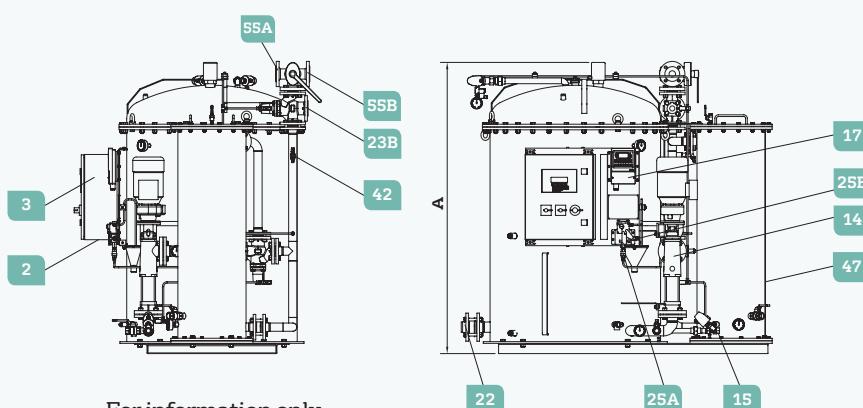
- > Most economical: second stage is bypassed whenever possible
- > Easy to install and maintain
- > Safest: Oil Monitoring device always checks effluent
- > Suction type: preserves pump from attrition
- > Most compact: suitable for newbuilds and retrofit
- > Improved hydrodynamics for longer polisher lifetime

Oil content monitor

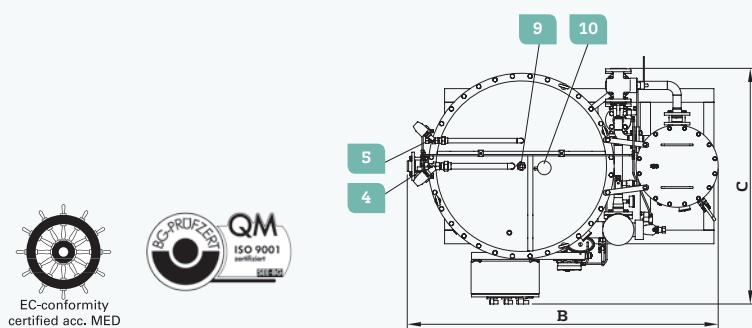
The RWO oily water separating system is equipped with a 15 ppm oil content alarm device, type tested and approved in accordance with IMO Resolution MEPC.107(49).

During flushing of the alarm device the 3-way diverting valve is in recirculation mode (automatic stopping device).

According to IMO Resolution MEPC.107(49) an extra 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.



- 2 Power supply
- 3 Control box
- 4 Oil discharge
- 5 Backwashing outlet
- 9 Sensor electrode
- 10 Electrical heating
- 14 Mono pump
- 15 Backwashing inlet
- 17 Oil Monitor OMD
- 22 Bilge water inlet
- 23B To the bilgewater tank
- 25A Sample water inlet
- 25B Flushing water inlet
- 42 Sample tap
- 47 Adsorber
- 55A To overboard
- 55B To the bilgewater tank



Technical Data OWS-COM

Type	Capacity (m³/h)	A (mm)	B (mm)	C (mm)	Power (kW)	Empty weight (kg)
0.1	0.1	1100	715	650	0.8	125
0.25	0.25	1005	960	750	2.6	180
0.5	0.5	1050	970	750	3.2	195
1.0	1.0	1220	1170	800	3.2	270
2.5	2.5	1485	1510	1060	3.7	457
5.0	5.0	1715	1825	1385	4.6	757
10.0	10.0	2000	2155	1575	5.7	1195

- Data are subject to change without further notice -

Resourcing the world

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