SKIT/S-DEB · Suction Type
Oily Water Separator

Complying with new challenges, fulfilling the 5 ppm standard!
**Your advantages**

The SKIT/S-DEB's come as complete package, skid mounted with all necessary accessories and controls. It provides the following benefits:

- exceptionally high purity levels < 1 ppm oil content in the effluent under IMO conditions
- USCG type approval certified
- EMV-Electromagnetic Compliance
- Class Notations “Clean Design” and Alaska-Rules conformity
- Process Unit upgrade and retrofitting of RWO separators SKIT/S to comply with IMO-MEPC.107(49) possible
- easy to install and easy to handle
- worldwide service & support
- Unit upgrade and retrofitting

---

**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. As its predecessors the SKIT/S-DEB type 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 without attendance and lowest maintenance, according to IMO Resolution MEPC.107(49).

The excellent and long experience with the RWO coalescing type oily water separator guarantees a high performance standard.

---

**Facelift version**

- even more compact footprint
- more modern design
- complying with new challenges – fulfilling the 5 ppm standard!
Automatic bypass ensures economical operation

To extend the operating life of the demulsifier, an automatic bypass is fitted to the separating system. The oil content measuring device periodically checks the water quality of the first stage separator and, if below the set max. value, the demulsifier is bypassed until the set alarm is activated. This process control causing a considerable life cycle prolongation.

Oil content monitor

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

The 3-way cock for flushing is fitted with a contact to ensure that 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.

Fulfilling the 5 ppm standard!

Confirmed by:
- Germanischer Lloyd (GL)
- Lloyd’s Register
- Det Norske Veritas
**Technical Data SKIT/S-DEB**

<table>
<thead>
<tr>
<th>Type</th>
<th>Capacity (m³/h)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Power kW</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>0.1</td>
<td>1100</td>
<td>715</td>
<td>650</td>
<td>–</td>
<td>–</td>
<td>0.5</td>
<td>110</td>
</tr>
<tr>
<td>0.25</td>
<td>0.25</td>
<td>1035</td>
<td>970</td>
<td>745</td>
<td>865</td>
<td>435</td>
<td>2.0</td>
<td>195</td>
</tr>
<tr>
<td>0.5</td>
<td>0.5</td>
<td>1070</td>
<td>950</td>
<td>835</td>
<td>880</td>
<td>500</td>
<td>2.7</td>
<td>240</td>
</tr>
<tr>
<td>1.0</td>
<td>1.0</td>
<td>1220</td>
<td>1135</td>
<td>840</td>
<td>1040</td>
<td>450</td>
<td>2.7</td>
<td>270</td>
</tr>
<tr>
<td>1.5</td>
<td>1.5</td>
<td>1415</td>
<td>1185</td>
<td>910</td>
<td>1090</td>
<td>500</td>
<td>2.7</td>
<td>350</td>
</tr>
<tr>
<td>2.5</td>
<td>2.5</td>
<td>1663</td>
<td>1190</td>
<td>1015</td>
<td>1125</td>
<td>780</td>
<td>3.0</td>
<td>530</td>
</tr>
<tr>
<td>5.0</td>
<td>5.0</td>
<td>1920</td>
<td>1635</td>
<td>1366</td>
<td>1590</td>
<td>930</td>
<td>4.0</td>
<td>895</td>
</tr>
<tr>
<td>10.0</td>
<td>10.0</td>
<td>2170</td>
<td>1965</td>
<td>1585</td>
<td>1880</td>
<td>1300</td>
<td>4.5</td>
<td>1360</td>
</tr>
</tbody>
</table>

- Data are subject to change without further notice -

2 Power supply
1 Control box
4 Oil discharge
5 Backwashing outlet
9 Sensor electrode
10 Electrical heating
14 Mono pump
15 Backwashing inlet
17 15 ppm oil alarm monitor
21 Bilge water inlet
22 Recirculation to bilge tank
25A Sample water inlet
25B Flushing water inlet
42 IMO-sample cock
57 Polisher
150 Discharge to overboard
150 Recirculation to bilge tank

For information only.

**RWO GmbH**
MARINE WATER TECHNOLOGY
Thalenhorststrasse 15 A
28307 Bremen/Germany
Phone: +49 421 53 70 50
Fax: +49 421 53 70 54 40
rwo@veoliawater.com
www.rwo.de · www.veoliawater.com