1 Technical Data

1.1 Separation System

Separator
MIB 303 S-13/S-33

Application
Cleaning of oil used for marine and power diesel engines, with a maximum density of 920 kg/m³ at 15 °C. Cleaning of steam turbine lubricating oil.

Capacity and separation temperature

<table>
<thead>
<tr>
<th>Viscosity</th>
<th>Max. rec. capacity</th>
<th>Max. separation temp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>cSt/40 °C</td>
<td>l/h</td>
<td>°C</td>
</tr>
<tr>
<td>Lube oil</td>
<td>≤150</td>
<td>300 l/h at 50 Hz</td>
</tr>
<tr>
<td></td>
<td></td>
<td>360 l/h at 60 Hz</td>
</tr>
<tr>
<td>Marine diesel oil</td>
<td>≤ 14</td>
<td>630 l/h at 50 Hz</td>
</tr>
<tr>
<td></td>
<td></td>
<td>760 l/h at 60 Hz</td>
</tr>
</tbody>
</table>

Sealing Water
Temperature
5 – 70 °C

Maximum hardness
180 ppm (CaCO₃ 10 °dH)

Minimum pH value
6

Salinity
maximum 60 ppm chloride (equivalent to 100 ppm NaCl)

Normal working counter pressure
0.4 – 0.6 kPa

Maximum counter pressure
See diagrams on pages 4 and 5

Low pressure switch set point
30 kPa

Total power consumption
Max. 700 W
1.2 Separator

<table>
<thead>
<tr>
<th>Speed</th>
<th>50 Hz</th>
<th>60 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive motor</td>
<td>7300 rpm</td>
<td>7300 rpm</td>
</tr>
<tr>
<td>Bowl spindle max.</td>
<td>7300 rpm</td>
<td>7300 rpm</td>
</tr>
</tbody>
</table>

**Manufacturing materials**
- Separator Frame: aluminium alloy
- Separator Bowl: aluminium and plastics
- Module Frame: iron

**Shipping data**
- Net weight: 72 kg
- Gross weight: 102 kg
- Volume: 0.58 m³

**Miscellaneous**
- Starting time max.: 40 seconds
- Stopping time with built-in electric brake max.: 1 minute
- Maximum operating time without oil feed: 120 minutes
- Motor power: 450 W

**Bowl data**
- Sludge space: 0.3 litres