BOSS Oily Water Separators

CERTIFIED
to new
IMO MEPC 107(49)

EASY TO USE/MAINTAIN:
- Completely Automatic Operation
- Simple Design
- Very low Maintenance
- Self Monitoring
- Self Priming
- Continuous Performance Reporting
- Heavy Duty Industrial Marine Coating
- Factory Installed Bronze Piping & Valves
- On board Flow Indication

FLEXIBLE:
- Ship Mounted or Offshore Platform
- Customizable Size & Controls
- Site Specific Optimization
- Various Power Voltages
- Remote Monitoring Optional
- Stable Platform not Required

HIGHLY EFFICIENT:
- Maximum Coalescence
- Laminar Flow
- Surpasses International Maritime Discharge Limits
- Minimal Power Requirements
- Small Compact Size
## BOSS Oil Water Separators - Specification Sheet 107(49)

<table>
<thead>
<tr>
<th>Specifications</th>
<th>2 GPM</th>
<th>5 GPM</th>
<th>10 GPM</th>
<th>25 GPM</th>
<th>45 GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (inch/cm)</td>
<td>48 (122)</td>
<td>56 (142)</td>
<td>72 (183)</td>
<td>74 (188)</td>
<td>80 (203)</td>
</tr>
<tr>
<td>Width (inch/cm)</td>
<td>26 (66)</td>
<td>28 (71)</td>
<td>36 (91)</td>
<td>40 (102)</td>
<td>54 (137)</td>
</tr>
<tr>
<td>Depth (inch/cm)</td>
<td>42 (107)</td>
<td>46 (117)</td>
<td>60 (152)</td>
<td>78 (198)</td>
<td>96 (244)</td>
</tr>
<tr>
<td>Dry Weight (lbs./kilogram)</td>
<td>700 (318)</td>
<td>850 (386)</td>
<td>1500 (680)</td>
<td>2500 (1135)</td>
<td>4000 (1816)</td>
</tr>
<tr>
<td>Capacity gpm (M³/hr)</td>
<td>2 (.45)</td>
<td>5 (1.13)</td>
<td>10 (2.27)</td>
<td>25 (5.68)</td>
<td>45 (10.22)</td>
</tr>
<tr>
<td>Activated Carbon Media charge (lbs./kg)</td>
<td>60 (27)</td>
<td>110 (50)</td>
<td>250 (114)</td>
<td>500 (227)</td>
<td>1000 (454)</td>
</tr>
<tr>
<td>Organoclay/Sand charge (lbs./Kg)</td>
<td>92 (42)</td>
<td>185 (84)</td>
<td>365 (166)</td>
<td>730 (331)</td>
<td>1500 (662)</td>
</tr>
<tr>
<td>Pipe connections In/Out</td>
<td>¾” – ¼”</td>
<td>1” – ¾”</td>
<td>1½” – 1”</td>
<td>1½” – 1 ½”</td>
<td>2” – 1 ½”</td>
</tr>
</tbody>
</table>

### ALL UNITS

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMO MEPC Compliance</td>
<td>107(49)</td>
</tr>
<tr>
<td>Test PSIG</td>
<td>45</td>
</tr>
<tr>
<td>Operating Pressure</td>
<td>15 PSIG</td>
</tr>
<tr>
<td>Operating Temp Range</td>
<td>5-60°C</td>
</tr>
<tr>
<td>Max Free Oil Concentration</td>
<td>35%</td>
</tr>
<tr>
<td>Max Fluid “C” Oil Concentration (with Filter)</td>
<td>6%</td>
</tr>
<tr>
<td>Oil in Water Discharge with TPH</td>
<td>&lt;15 ppm</td>
</tr>
<tr>
<td>Single Phase Power Options</td>
<td>110/120vac</td>
</tr>
<tr>
<td></td>
<td>220vac</td>
</tr>
<tr>
<td>Three Phase Power Options</td>
<td>210/220vac</td>
</tr>
<tr>
<td></td>
<td>380/415vac</td>
</tr>
<tr>
<td></td>
<td>460/480vac</td>
</tr>
<tr>
<td></td>
<td>575/600vac</td>
</tr>
<tr>
<td>DC Power Options</td>
<td>12 or 24</td>
</tr>
<tr>
<td>Frequency</td>
<td>50 or 60 Hz</td>
</tr>
<tr>
<td>Max Amperage</td>
<td>&lt;15 amps</td>
</tr>
<tr>
<td>Max Turbidity for Accurate TPH Reading</td>
<td>35 NTU</td>
</tr>
<tr>
<td>Design Negative Inlet Head (Fr/M)</td>
<td>9 (2.8)</td>
</tr>
<tr>
<td>Positive Inlet Head Design Pressure (Motorized Valve Required)</td>
<td>15 PSIG</td>
</tr>
<tr>
<td>Level Sensor</td>
<td>Conductance</td>
</tr>
<tr>
<td>Pump</td>
<td>Centrifugal w SS Housing</td>
</tr>
<tr>
<td>Coalescing Media</td>
<td>Polypropylene / HDPE</td>
</tr>
<tr>
<td>Hazardous Area Classification</td>
<td>Nema 4X or Class I Div II</td>
</tr>
<tr>
<td>Coating Specification</td>
<td>Epoxy/Urethane</td>
</tr>
<tr>
<td>Piping and Manual Valves</td>
<td>Bronze / Red Brass</td>
</tr>
<tr>
<td>Vessel Metallurgy</td>
<td>Marine Coated Carbon Steel</td>
</tr>
</tbody>
</table>

### NOTES:
- Custom designs are available to vary specifications
- Combinations of specs may have pricing implications
- Oil Discharge Pressure equals the pressure of the makeup water inlet, but should be restricted to less than 15 lbs.

### Contact Information:

Pacific Marine and Industrial  
P.O. Box 70520, Richmond, CA, US  
www.pacificmarine.net  
Ph: 510-233-2310 / Fx: 510-233-2322