Category M Coalescer Separator housings are for Military JP-8 or JP-5 fuel. Type S-LW qualification can be used for mobile applications where minimum amounts of water and dirt in the product are expected. Facet HCS Series Horizontal Coalescer Separator housings fully comply with EI 1581, Category M, Type S-LW requirements.

RELIABLE PERFORMANCE
Facet coalescer separators are a result of over 50 years of continuous research and development to meet the ever demanding performance requirements in the aviation fuel handling industry. This, along with proven field performance, demonstrates Facet’s ability to provide quality products that meet current specifications as well as specific customer requirements for installations in refineries, bulk storage, terminals, heliports, airports, etc.

STANDARD HOUSING DESIGN
- EI 1596 Design & Construction
- Welded carbon steel construction—other materials available on request
- ASME Code, Section VIII construction, stamped and certified
- Design pressure: 150 psi @ 250°F—other design pressures available on request
- Inlet, outlet and drain connections permanently marked
- Interior: Epoxy coated (MIL-PRF-4556)
- Exterior: Prime coated
- Swing bolt head closures
- Hinged end opening cover
- Victaulic inlet and outlet connections
- Buna-N o-ring closure seal
- Choice of rod or screw base coalescer cartridge mounting styles
- Knife edge cartridge mounting seals
- 4” inlet/outlet cleanout/inspection connections (when permitted by design)
- Spider plate attached to vessel wall

OPTIONS
- Water defense system*
- Automatic air eliminator with check valve*
- Pressure relief valve*
- Differential pressure gauge*
- Pilot control valve
- Blind cover for pilot control mounting flange
- Sampling probes

(*) Mandatory for 5th Edition

©2009 PECO and its affiliates. All rights reserved. PECOFacet has a policy of continuous product research and development and reserves the right to change design and specifications without notice.
Horizontal Coalescer Separators for Mobile Equipment
EI1581, Category M, Type S-LW, 5th Edition
HCS Series (End Opening)

DATA

<table>
<thead>
<tr>
<th>MODEL NUMBER(1)</th>
<th>FLOW RATE AVIATION FUEL API 1581, CATEGORY C, TYPE S-LW</th>
<th>REQUIRED CARTRIDGES</th>
<th>HOUSING LIQUID VOLUME</th>
<th>HOUSING DRY WEIGHT</th>
<th>HOUSING TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>gement Rate</td>
<td></td>
<td>Coalescers</td>
<td>Separators</td>
<td>gals.</td>
</tr>
<tr>
<td>HCS-322-1424</td>
<td>157 gpm</td>
<td>594 lpm</td>
<td>3</td>
<td>CM-22SB-5</td>
<td>1</td>
</tr>
<tr>
<td>HCS-333-1436</td>
<td>243 gpm</td>
<td>920 lpm</td>
<td>3</td>
<td>CM-33SB-5</td>
<td>1</td>
</tr>
<tr>
<td>HCS-438-138</td>
<td>302 gpm</td>
<td>1143 lpm</td>
<td>4</td>
<td>CM-38SB-5</td>
<td>1</td>
</tr>
<tr>
<td>HCS-456-229</td>
<td>478 gpm</td>
<td>1809 lpm</td>
<td>4</td>
<td>CM-56SB-5</td>
<td>2</td>
</tr>
<tr>
<td>HCS-556-236</td>
<td>605 gpm</td>
<td>2290 lpm</td>
<td>5</td>
<td>CM-56SB-5</td>
<td>2</td>
</tr>
</tbody>
</table>

Other sizes available on request.

DIMENSIONS

<table>
<thead>
<tr>
<th>MODEL NUMBER(1)</th>
<th>INLET/OUTLET DIAMETER</th>
<th>DIMENSIONS(2)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>in.</td>
<td>mm.</td>
</tr>
<tr>
<td>HCS-322-1424</td>
<td>3</td>
<td>76</td>
</tr>
<tr>
<td>HCS-333-1436</td>
<td>3</td>
<td>76</td>
</tr>
<tr>
<td>HCS-438-138</td>
<td>3</td>
<td>76</td>
</tr>
<tr>
<td>HCS-456-229</td>
<td>4</td>
<td>102</td>
</tr>
<tr>
<td>HCS-556-236</td>
<td>6</td>
<td>152</td>
</tr>
</tbody>
</table>

REFERENCE NOTES:
(1) Model numbers include housing and required cartridge mounting.
(2) Dimensions are approximate and should not be used for installation purposes.

NOTES:
a. All elements are mounted against knife edge seals.
b. Nameplate to be stamped with EI classified data.
c. Inlet chamber to be hydrostatic tested at 115 psi.
d. Coalescer cartridges are offered with a choice of rod or screw base mounting. The suffix "SB" will be added to the coalescer model number when screw base is required. Example: CM-33SB-5 = Rod Mount
CM-33SB-5 = Screw Base