AN OIL DEHYDRATOR AS EASY TO USE AS A FILTER CART!

The Phoenix C8VF adjustable flow Hollow Fiber Membrane Oil Dehydrator is one of the simplest, easiest and most versatile oil purifiers on the market today. It uses a maintenance free hollow fiber membrane to remove 100% Free, 100% Emulsified and Dissolved Water to less than 50 ppm from contaminated gear, lube and hydraulic oils.

The Phoenix C8VF can be attached and operated with most equipment on line and provides the best capabilities and benefits of traditional oil dehydrators without the drawbacks of their bulkiness or operational complexity.

The C8VF variable frequency drive allows oil flow to be easily adjusted up or down in order to compensate for variances in oil reservoir size, water contamination or oil viscosity.

Adjustable flow means that one Phoenix purifier can now be used on a variety of oil reservoirs of between 5-2000 gallons (water ingress dependent) and on oil viscosities of between 15 and 680 weight.

INDUSTRIES SERVED
- Paper Plants
- Steel Plants
- Power Plants
- Mining
- Marine
- Road Machinery
- Injection Molding

APPLICATIONS
- Gearboxes (up to 680 weight)
- Lube Systems
- Hydraulic Power Systems
- Offline Transformers

REMOVES FROM OIL
- 100% Free Water
- 100% Emulsified Water
- Dissolved Water 50 ppm or less
- Dissolved Gases
- Particulate Below 16/14/12

OPERATIONAL DETAILS
- Oil Flow: Simple Steady State
- Flow Rate: Adjustable 0-8 GPM / 0 - 30 LPM
- Water Removal: Membrane Vacuum Dehydration
- Electric: 110 60 HZ or 220 50 HZ s-phase
- Filtration: 8 micron or less
- Viscosity range: 15 - 3000 cSt up to 4 gpm
- > 1000 cSt 4-8 gpm
- Recommended Reservoir Sizes: 5-2000 gallons
- Capabilities: Water less than 50 ppm,
  Particulate less than 16/14/12
### Table 1: Voltage

<table>
<thead>
<tr>
<th></th>
<th>Voltage</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>110 V, 60 HZ Single Phase</td>
</tr>
<tr>
<td>B</td>
<td>220 V, 50 HZ Single Phase</td>
</tr>
</tbody>
</table>

### Table 2: Filter

<table>
<thead>
<tr>
<th></th>
<th>Filter</th>
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<tbody>
<tr>
<td>2</td>
<td>Donaldson Blue Spin On 8 Micron</td>
</tr>
<tr>
<td>E</td>
<td>Pall Athonal 7 Micron 210</td>
</tr>
</tbody>
</table>

### Table 3: Oil Type

<table>
<thead>
<tr>
<th></th>
<th>Oil Type</th>
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<tbody>
<tr>
<td>G</td>
<td>Mineral Oil/Synthetic/EAL - No Phosphate Ester</td>
</tr>
<tr>
<td>H</td>
<td>20&quot; 7 Micron 20&quot; UR319 AN Housing and Element</td>
</tr>
</tbody>
</table>

### Table 4: Mounting

<table>
<thead>
<tr>
<th></th>
<th>Mounting</th>
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</thead>
<tbody>
<tr>
<td>BLANK</td>
<td>Portable on Wheels</td>
</tr>
<tr>
<td>I</td>
<td>Permanent Mount</td>
</tr>
</tbody>
</table>

### Specifications

- **Dimensions:** W28" X D24" X H50"
- **Weight:** 280 LBS
- **Connections:** 1" MJIC
- **Paint:** POWDER COATED
- **Electric:** Nema 4 - 110 V/60 HZ 220V/50 HZ
- **Max Oil Temp:** 190 F
- **Min Ambient:** 33 F
- **Max Continuous Free**
- **Water Removal:** 3-4 Gallons/Day (Oil Temp Dependent)
- **Max Outlet Pressure:** 20-30 psig
- **ISO Cleanliness Capability:** Less Than 16/14/12

### How Does It Work?

[C8VF Variable Frequency Drive]

- **Corporate Offices & Distribution Center**
  
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Fax: (860) 745-7477  
Email: sales@mscfilttech.com  
Web: www.mscfilttech.com

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**Note:** Image is descriptive only. There may be some slight oil carryover to the vacuum side which does not affect the performance of the purifier. Effective water removal is multipass and requires several passes over the membrane.

**Data Sheet:** PHX-C8VF-REV0-05082017  
**Innovation and Reliability taken to Extreme!**