PHOENIX™ X SERIES Portable Membrane Oil Dehydrators and Purifiers for Hazardous Duty Locations

PHOENIX CX - 1 GPM CART SHOWN (OTHER MODELS AVAILABLE)

REMOVES FROM OIL
Free Water
Emulsified Water
Dissolved Water
Dissolved Gases
Particulate

APPLICATIONS
Gearboxes
Lube Systems
Hydraulic Systems
Offline Transformers

INDUSTRIES SERVED
Refineries
Gas Plants
Chemical Plants
Oil and Gas Platforms
Coke Plants

OPERATIONAL DETAILS
Oil Flow: Simple Steady State
Water Removal: Membrane Vacuum Dehydration
Fluid Pump: 110 or 220v s-phase class 1 group C&D class 2 group F&G
Vacuum: Air 70-85 psig @ 13 scfm
Filtration: 8 micron or less
Viscosity range: 32 - 3000 cSt (model dependent)
Available flow ranges: 1 - 8 gpm
Recommended Reservoir Sizes: 2-2000 gallons - (model dependent)
Capabilities: Water less than 50 ppm, particulate less than 15/13/12

www.mscfiltertech.com

Simple Safe Reliable Efficient
### Table 1: Type/Flow

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MX</td>
<td>1 gpm Max Mini Handcarry Unit - No Fluid Pump</td>
</tr>
<tr>
<td>CX</td>
<td>1 gpm System - Includes Haz Duty Fluid Pump</td>
</tr>
<tr>
<td>C4X</td>
<td>4 gpm System - Includes Haz Duty Fluid Pump</td>
</tr>
<tr>
<td>C8X</td>
<td>8 gpm System - Includes Haz Duty Fluid Pump</td>
</tr>
</tbody>
</table>

*Note: C8 is only rated for 32 weight oils or lower.*

### Table 2: Voltage

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage &amp; Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>MX Mini Option Only - No Electric Air Driven Only.</td>
</tr>
<tr>
<td>A</td>
<td>110 V Single Phase 60HZ</td>
</tr>
<tr>
<td>B</td>
<td>220 V Single Phase 50HZ</td>
</tr>
</tbody>
</table>

### Table 3: Filter

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>8 Micron Blue Spin On Filter (Standard)</td>
</tr>
<tr>
<td>E</td>
<td>20” 7 Micron Cap Service Filter and Filter Cartridge</td>
</tr>
<tr>
<td>F</td>
<td>20” 7 Micron High Capacity Cap Service Filter</td>
</tr>
</tbody>
</table>

### Table 4: Oil Type

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>Mineral Oil/Synthetics/EAL - No Phosphate Ester</td>
</tr>
<tr>
<td>H</td>
<td>Phosphate Ester and Mineral/Synthetic/EAL</td>
</tr>
</tbody>
</table>

### Table 5: Mounting

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>Portable - CX, C4X and C8X Carts with Wheels</td>
</tr>
<tr>
<td>1</td>
<td>Permanent Install - Wheels Removed Bolt Down</td>
</tr>
</tbody>
</table>

*Note: For MX option always leave Table 5 Blank.*

### Specifications

- **Dimensions**
  - MX: W14.5" X D14" X H24.5"
  - CX: W19" X D20" X H50"
  - C4 & C8: W28" X D24" X H50"

- **Weights**
  - MX: 35 LBS
  - CX: 180 LBS
  - C4 & C8: 240 LBS

- **Connections**
  - MX: 1/2” MJIC
  - CX: 3/4” MJIC
  - C4 & C8: 1” MJIC

- **Paint**
  - POWDER COATED

- **Electric**
  - CLASS 1 GROUP C&D
  - CLASS 2 GROUP F&G

- **Compressed Air**
  - 70-85 PSIG & 13 SCFM REQUIRED

- **Max Oil Temp**
  - 190F

- **Min Ambient**
  - 33F

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**MSC Filtration Technologies**

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Innovation and Reliability taken to Extreme!