Drum Pump Filtration System

Actively filtering lubricants from storage drums can prevent contamination related problems. Trico’s Drum Pump Filtration System can prevent contamination or remove it when used in daily operations, including filtering oil directly from the storage drum to fill totes and transfer containers.

The Drum Pump Filtration System provides a dispensing nozzle for continuous flow and metering of lubricants, and a protective rubber nozzle cap to prevent contaminates from entering the nozzle when not in use. This system is capable of delivering a flow up to 7.25 gpm and is rated for use with lubricants up to a viscosity of 1250 cSt, depending on motor selection. The Drum Pump Filtration System comes standard with a 10 micron absolute Beta>200 spin-on filter element and a sealing bung adapter. Differential pressure gauges help specify the filter element condition and the need for replacement.

The universal design of the Drum Pump Filtration System integrates a quick change hand wheel design, allowing the motor to be transferred from one Drum Pump Filtration System to another without buying additional motors or removing the entire apparatus. This follows industries best handling practices by avoiding cross contamination of different lubricant types, reduces further particle contamination and eliminates messy lubricant spills.

Features:
- Samples ports before and after filter head
- Larger filter for less frequent changes
- Dual-swivel ended hose for greater mobility and flexibility
- Higher GPM – delivers steady flow up to 7.25 GPM
- Same motors as older style
- Larger more robust design
- Transfer and dispense lubricants up to 1250 cSt

Selection Chart:

<table>
<thead>
<tr>
<th>P/N</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>30035</td>
<td>Drum Pump Filtration System</td>
</tr>
<tr>
<td>30018</td>
<td>Electric Motor - 120 V / 60 Hz</td>
</tr>
<tr>
<td>30019</td>
<td>Pneumatic Motor</td>
</tr>
<tr>
<td>30021</td>
<td>Electric Motor - 220 V / 50 Hz</td>
</tr>
</tbody>
</table>

Filter Selection Chart

<table>
<thead>
<tr>
<th>Micron Rating</th>
<th>36972</th>
<th>36973</th>
<th>36974</th>
<th>36975</th>
<th>36995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filter Type</td>
<td>Particulate</td>
<td>Particulate</td>
<td>Particulate</td>
<td>Water</td>
<td>Water</td>
</tr>
<tr>
<td>Media Type</td>
<td>Synthetic Micro-Glass</td>
<td>Synthetic Micro-Glass</td>
<td>Synthetic Micro-Glass</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Beta Ratio</td>
<td>Beta 3 ≥ 200 Absolute</td>
<td>Beta 10 ≥ 200 Absolute</td>
<td>Beta 20 ≥ 200 Absolute</td>
<td>10 Micron Nominal</td>
<td>Beta 25 ≥ 200 Absolute</td>
</tr>
</tbody>
</table>
Drum Pump Filtration System

Motor Adapter
Allows for easy transfer of motor to other Drum Pump Filtration Systems

Differential Pressure Gauges
Indicates when elements need to be changed

Rubber Dust Cap
Prevents contaminants from entering the nozzle when not in use

Spin-On Filter
Standard with 10 micron absolute Beta >200 spin-on filter

Ground Lead
Prevents potential sparking and static build up between conductive equipment by hose grounding structures

Dispensing Nozzle
Provides continuous flow and safe lubricant transfer

Hose
Dual-swivel ended hydraulic hose for greater flexibility and mobility

Pump Tube
Capable of fitting 55-gallon drums

Sampling Ports
Two sampling ports available for oil sampling before and after filter (not shown in photo)

Bung Adapter
Includes sealing bung adapter (not shown in photo)

Specifications:
P/N - 30035 (Tube Assembly for 55 Gallon Drums)

- Type: Seal-less/Centrifugal
- Material: Stainless Steel 316
- Tube Length: 39"
- Maximum Temperature: 180°F (82°C)
- Discharge Nozzle: 1"
- Discharge Line: 1" Hydraulic Hose
- Hose Line Length: 6'
- Filter Media: 10 Micron Absolute Beta >200
- Replace Filter Media: 40 PSI Differential

Specifications:
P/N - 30018 & 30021 (Electric)

- Motor: 1.10 HP @ 10,000 RPM
- Maximum Viscosity: 1250 cSt @ 40°C
- Flow Rate (Max): Up to 7.25 GPM*
- Electric Motor Rating: 110-120V 50/60 Hz, 8.5 A (30018)
  220-240V 50/60 Hz (30021)
- Stall Pressure: 50 PSI
- Air Inlet Connection: 1/4" NPT Female
- *Dependent on oil viscosity and temperature.

Specifications:
P/N - 30019 (Pneumatic)

- Motor: 3/4 HP @ 8,000 RPM
- Maximum Viscosity: 1250 cSt @ 40°C
- Flow Rate (Max): Up to 6 GPM*
- Inlet Pressure: 100 PSI max @ 28 CFM
- Stall Pressure: 50 PSI
- Air Inlet Connection: 1/4" NPT Female
- *Dependent on oil viscosity and temperature.

Scan this QR Code to see a series of videos on installing and operating the Drum Pump Filtration System.