DBB8666

This 4 micron filter is designed to clean fluids to the target cleanliness level of ISO 14/13/11 in transfer applications. With fuel system pressures approaching 40,000 psi and clearances as small as 1 micron, fuel must be cleaner than ever before.

Donaldson Clean Solutions filters provide unsurpassed cleanliness in a single pass. Filters may be used individually or configured into high capacity systems using a variety of different head and manifold options. These filters incorporate our best technology and construction, including Donaldson Electrostatic Reduction Technology (D.E.R.T.™), epoxy for increased fluid compatibility and e-coating for maximum epoxy adhesion and corrosion resistance.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target ISO Cleanliness*</td>
<td>14/13/11 or better</td>
</tr>
<tr>
<td>Efficiency</td>
<td>4 micron @ Beta 2000</td>
</tr>
<tr>
<td>Fluid Compatibility</td>
<td>#1 or #2 diesel, kerosene biodiesel up to B100, gasoline including ethanol</td>
</tr>
<tr>
<td>Working Pressure</td>
<td>24.1 bar / 350 psi</td>
</tr>
<tr>
<td>Element Collapse Pressure</td>
<td>10.3 bar / 150 psi</td>
</tr>
<tr>
<td>Rated Static Burst</td>
<td>56.2 bar / 800 psi</td>
</tr>
<tr>
<td>Max. Flow Range**</td>
<td>246 lpm / 65 gpm</td>
</tr>
<tr>
<td>D.E.R.T.***</td>
<td>Yes</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40 to 118 °C / -40 to 245 °F</td>
</tr>
<tr>
<td>Recommended Viscosity Range</td>
<td>&lt;100 cSt</td>
</tr>
</tbody>
</table>

*Select the proper filter by fluid type and OE recommended ISO code. Do not over filter fluids. Doing so may result in the stripping of beneficial additive.

**Actual flow rate varies based on fluid viscosity, pumping pressure and filter loading.

***D.E.R.T™ Donaldson Electrostatic Reduction Technology prevents media damage during high flow fuel applications.

**FEATURES**

- Fast and easy to service
- Unsurpassed filter efficiency
- D.E.R.T. technology to prevent electrostatic discharge damage
- Cleans to target ISO cleanliness in a single pass
- Modular design can be configured for virtually any flow rate or usage level

**APPLICATIONS**

- Single pass filtration for clean fluid transfers
- Inlet and outlet filtration at bulk storage tanks
- Dispenser "polishing" filtration on fuel pumps and hose reels
INSTALLATION

- Use with Clean Solutions single filter heads, dual filter head or manifolds
- Install on pressure side of pump with arrows pointing in direction of flow
- Allow 51 mm / 2" clearance for servicing filter
- Lubricate filter and head o-rings with clean oil or diesel
- Install filter on head by spinning clockwise
- Use strap-wrench to tighten
- Also available in kits:
  - Standard Kit X011448, which includes single filter head P573681, pressure gauge P573681 and port adapter P573862
  - High-Capacity Kit X011450, which includes dual filter head P568563, pressure gauge P573681 and port adapter P573862
  - Clean and Dry Kit X011449, which includes dual filter head P568563, pressure gauge P573681, port adapter P573862, T.R.A.P Breather X920006 and water absorbing filter DBB0248
- Service filter when flow slows or predetermined differential pressure is reached
  (varies based on pump spec, system dP and clean filter dP)
- Isolate filter and relieve pressure prior to servicing
- Loosen filter by rotating counter clockwise using strap-wrench
- Install clean filter by rotating clockwise, tighten ½ turn after filter seats in gasket
- Dispose of used filter appropriately

REPLACEMENT PARTS & MAINTENANCE SCHEDULE

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Brochure No. F111555 ENG (12/19)
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