Description
Cummins® FF5782 Fuel Filter’s new NanoNet™ high-performance filtration media reduces the number of harmful particles reaching the engine’s fuel injectors, resulting in reduction in equipment downtime and lower Total Cost of Ownership (TCO). It has a twice the contaminant holding capacity of conventional filters and was designed to deliver fuel that meets FIE manufacturers’ suggested ISO 12/9/6 cleanliness level. Its unique design delivers maximum engine life with best-in-class protection and longer filter life, minimizing your operating costs.

Features
NanoNet™ Media – Consistent pore size throughout this unique media retains captured particles during engine vibration better than any competitive product.
Fully Synthetic Media – NanoNet media contains no glass and is not subject to water saturation.

Benefits
- 13X reduction in hard particle penetration fully protects the fuel injector against progressive damage, leading to longer life
- 2X the contaminant holding capacity of conventional filters
- Minimal operating costs with up to 60% savings in Total Cost of Ownership (TCO)
- Exceeds 99.9% filtration efficiency by trapping any contaminants larger than four microns
- Maximum engine life with best-in-class fuel injector protection
- Maintains advanced performance throughout the life of the filter and performance doesn’t decline with age

Experience
- Field Experience
  » Off-highway 29,850 hours
  » On-highway 2.2 million miles (3.5 million kilometers)
- Test Cell Experience
  » 71,000 hours
FF5782  
NanoNet™ Fuel Filter

Specifications

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (SAE J905)</td>
<td>55 g (0.21 lb)</td>
</tr>
<tr>
<td>Liquid Capacity</td>
<td>0.21 gal (0.8 L)</td>
</tr>
<tr>
<td>Rated Flow (SAE J905 Outside In)</td>
<td>1.2 gal/min (4.6 L/min)</td>
</tr>
<tr>
<td>Gasket Inside Diameter</td>
<td>2.89&quot; (73.5 mm)</td>
</tr>
<tr>
<td>Gasket Outside Diameter</td>
<td>3.19&quot; (80.94 mm)</td>
</tr>
<tr>
<td>Overall Height</td>
<td>7.17&quot; (182.11 mm)</td>
</tr>
<tr>
<td>Largest Outside Diameter</td>
<td>4.01&quot; (101.96 mm)</td>
</tr>
<tr>
<td>Multipass Particle Size Specification (ISO 4572)</td>
<td>4 micron</td>
</tr>
<tr>
<td>Particle Size at Beta 1000 (Multipass)</td>
<td>4 micron (c)</td>
</tr>
</tbody>
</table>

Performance

![Performance Graph]

Diesel Metering Valve (DMV) Seat

Field Failure
- After teardown observation

Dust in Fuel
- Testing with competitor media (after 50 hours)
- Testing with NanoNet media (no failure after 50 hours)

Fuel Flow

![Fuel Flow Diagram]

Installation Tips

- Installation instructions are provided on the filter.
- Always pre-fill with clean fuel on the “dirty” side of the filter with the pre-fill cap ON.
- Always clean and oil the gasket before installation. Do NOT use grease.
- After installing a new filter, start the engine and wait for a few minutes, then check for leaks.

For more detailed information, refer to the Fleetguard Technical Information Catalog – LT32599 or visit Fleetschool at cumminsfiltration.com. To find the nearest retailer of Fleetguard products, visit cumminsfiltration.com/wrl.