Specific Fleetguard® products have been upgraded to feature NanoNet media. This innovative media is designed to reduce engine failure by removing harmful particles and by delivering fuel that meets FIE manufacturers’ suggested ISO 12/9/6 cleanliness level. This industry leading performance provides greater protection for the Fuel Injection Equipment (FIE), which leads to longer fuel injector life and lower Total Cost of Ownership (TCO). Clean, uncontaminated fuel is the key to maximum fuel system performance and longevity of modern diesel engines.

### Superior Performance

- **NanoNet** filters maintain optimal service life while providing premium performance and protection throughout the life of the filter.
- 2.5x the contaminant holding capacity of conventional filters.
- **NanoNet** filter performance does not decline compared to conventional filters, as shown in the Multipass Capacity graph.
- 4.7x greater FIE protection under real-world conditions when compared to conventional media.

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### Fleetguard NanoNet™ Applied Filters

<table>
<thead>
<tr>
<th>Fleetguard Legacy Part Number</th>
<th>CAT Part Number</th>
<th>NanoNet Part Number</th>
<th>Engine Application</th>
<th>Engine Manufacturer</th>
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<tbody>
<tr>
<td>FF5632 – FF5812</td>
<td>FF812</td>
<td>Spin-on</td>
<td>On/Off Highway: ISB5.9, ISB07, ISB6.7, QSB6.7</td>
<td>Cummins</td>
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<td>FF5636 – FF5813</td>
<td>FF813</td>
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<td>On Highway: ISC, ISC07, ISC8.3, ISL, QSL</td>
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<td>FF5686/FF5776 – FF5811</td>
<td>FF811</td>
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<td>On/Off Highway: ISX 12, ISX 15</td>
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<td>Spin-on</td>
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<td>On/Off Highway: 3176, 3114, 3306, 3110</td>
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<td>CAT: 3116, 3066</td>
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<tr>
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<td>Cartridge</td>
<td>CAT: 3500, 3502, 3512</td>
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<td>Spin-on</td>
<td>On/Off Highway: C7, C9, 3126</td>
<td>CAT</td>
</tr>
</tbody>
</table>

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### Downstream Count at 4 micron(c)

- **4.7x Better**

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**Graph:**

- Competitor
- 3 µ NanoNet

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**Test Time (minutes):**

- 0 5 10 15 20 25 30 35 40 45 50 55 60 65

**Downstream Particle Count:**

- (Particles/mL > Indicated Size)

- 0 10 100 1000 10000
NanoNet:

- Is a proven solution to protect fuel system components against hard particle wear and corrosion due to water
- Aids in the reduction of operating costs with extended service intervals and engine downtime
- Increases engine protection with Stage I and Stage II NanoNet filtration
- Provides premium filtration with optimal protection that aids in engine durability and application uptime

**Efficiency with Vibration**

- Competitor
- 3 µ NanoNet

**Dust Holding Capacity**

- Legacy Media
- NanoNet

**Water Removal**

- Leading Competitor Fuel/Water Separator
- Legacy Fuel/Water Separator Two Media Stages
- NanoNet Fuel/Water Separator With Advanced Water-Removal Structure

**Multipass Capacity**

- Competitor
- NanoNet

Fleetguard Genuine Filtration fuel system products are manufactured to meet and exceed OE standards for optimum protection, extended service intervals and reduced operating costs. With extensive experience in integrated system solutions for modern diesel engines, Cummins Filtration offers products to support the rigorous requirements of modern high pressure fuel systems.