Best Protection Available

NanoForce® air filters deliver the cleanest air possible for mining applications. Nanofiber, when combined with our enhanced pleat design, delivers optimal air filter performance for superior protection.

In many applications, over 75% of the contaminant particles that reach the air filter are less than 5 microns in size. If not stopped these particles can wreak havoc on the electrical equipment.

99.99% filtration efficiency
(ISO5011, 0–5micron dust)

Durable Filter Design

Fleetguard NanoForce filters ensure high performance and stability during the cleaning process for electric rope shovel equipment using a unique pleat design with additional beading. AirScrubPro™ systems use pressurized air to blow dirt and dust out of the housing preventing premature wear on less-robust air filters.

These air filters are the first and only line of defense for the controllers on electric rope shovel excavators. Rope shovels can have as many as twenty controllers that can cost upwards of $200,000 each to replace.

The red circle represents a dust/dirt particle of 5 micron size. Nanofiber media provides a barrier to small, but harmful particles.

Fleetguard NanoForce filters installed inside an AirScrubPro™ housing on an electric rope shovel excavator to prevent dust from reaching the expensive electrical controllers and motors.
Compatible with AirScrubPro™

Not all electric rope shovels are outfitted with the added air scrubber protection, AirScrubProTM, with which Fleetguard NanoForce® filters are compatible. The photos shown to the right highlight the easily noticeable difference between the air cleaning equipment. The example to the left has the added air cleaning system, AirScrubPro™, suitable for use with Fleetguard NanoForce filters. The example to the right shows the style of air cleaning system that is not compatible with Fleetguard NanoForce filters.

Real World Tested and Proven.

NanoForce filters are extensively subjected to real world trials around the globe in a broad range of off-highway equipment. Even in the most severe environments of coal, copper, iron ore and platinum mines, with temperatures ranging from -45°C to +50°C, NanoForce® technology proves an optimum balance of protection, performance, and life.

Nothing Guards Like Fleetguard.

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<tr>
<th>OEM Application</th>
<th>OEM FILTER</th>
<th>FLEETGUARD FILTER AF4216NF</th>
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<tr>
<td>Komatsu/Joy Global/ P&amp;H Rope Shovels with Air Scrub Pro System</td>
<td>32 filters: 2800XPC, 54 filters: 4100XPC, 4100C, 4100C BOSS</td>
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<tr>
<td>Komatsu/Joy Global/ P&amp;H Rope Shovels with Air Scrub Pro System - Optional installations for enhanced cleanliness</td>
<td>32 filters: 2300MkII, 2300XP, 2300XPA/B/C, 2800XP, 2800XPA</td>
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<td>Caterpillar Rope Shovels - Optional installations for enhanced cleanliness</td>
<td>54 filters: 2800XPB, 4100, 4100A, 4100XPB, 4100TS, 4100 BOSS</td>
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<tr>
<td>Ingersoll-Rand Dust Collectors</td>
<td>DC24 Dust Collector</td>
<td></td>
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Fleetguard NanoForce filters with 15% more dust holding capacity and 25% less air flow restriction

Start Saving Today.

Less waste
Less maintenance
Less filters purchased
Less equipment downtime

Best Warranty in the Business.

The Cummins Filtration Warranty extends to our entire line of products, ensuring the same promise of performance and coverage beyond the competition. Visit cumminsfiltration.com to learn more about the competitive benefits of the Cummins Filtration Warranty.