Fleetguard® NanoForce® air filters deliver the cleanest combustion air for large construction and mining engines and equipment. The new AF27993NF continues the application of this filter media for premium levels of protection. The nanofibre media applies the enhanced filter media pleating and pleat stabilization to deliver superior engine protection and long filter service life.

### Features
- **Nanofibre filter media** provides the highest possible engine protection efficiency without compromising filter life
- **Pleat geometry, spacing and stabilization** yields maximum filter performance and long life for lower equipment operating costs
- **Proven radial air filter seal** ensures reliable fit in the SSG air housing and easy service events
- **Complete Fleetguard system solution** including the AF27994 secondary filter and the SP1307 housing service cover

**2X** longer service life achieved versus conventional air filter

**3X** the engine protection versus conventional filters
AF27993NF Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td>6,478 g (with nominal 0-5 micron dust)</td>
</tr>
<tr>
<td><strong>Rated Air Flow</strong></td>
<td>2,058 ft³/min (58.3 m³/min)</td>
</tr>
<tr>
<td><strong>Efficiency</strong></td>
<td>99.99%</td>
</tr>
<tr>
<td><strong>Seal Type</strong></td>
<td>Radial on open end</td>
</tr>
<tr>
<td><strong>Outside Diameter</strong></td>
<td>17.7&quot; (449.0 mm)</td>
</tr>
<tr>
<td><strong>Inside Diameter</strong></td>
<td>11.5&quot; (293.0 mm)</td>
</tr>
<tr>
<td><strong>Overall Height</strong></td>
<td>24.5&quot; (621.1 mm)</td>
</tr>
<tr>
<td><strong>Secondary Air Filter</strong> (if required)</td>
<td>AF27994</td>
</tr>
</tbody>
</table>

Installation and Use Tips

- Use of the AF27993NF filter requires the use of the SP1307 air housing service cover and the AF27994 secondary air filter.
- Fleetguard® air filters must be used as sets. The OE air filters and air housing cover are not compatible with the Fleetguard filters and cover.
- Use an air filter restriction measuring device to determine when to change the used air filter.
- Do not disturb the air filter until an air filter restriction measurement indicates that the filter should be serviced, typically at 25" H2O restriction (6.23 kPa or 0.063 bar).
- Use caution when lifting used air filters. The dust capacity (~7,000 g (~15.4 lb)) for a plugged filter plus the filter weight can make the filter heavy to handle.
- Ensure that no dust or debris is allowed to enter the clean side of the filter housing.
- Do not disturb the secondary filter element unless it needs to be changed. The secondary air filter should be changed approximately every third primary element change.
- Follow OE recommendations for properly cleaning and servicing air housing pre-cleaners.

Applications

- Off-Highway Mining and Construction
- Many major OEMs, including Caterpillar®, Komatsu®, Terex®, and others

NanoForce Radial Seal Air Filtration

- Robust Endplate and Handle
  - Strong filter construction for long life protection

- Expanded Metal Outer Wrap and Inner Wrap
  - Protect and support the NanoForce® media

- Spiral Hot-Melt Pleat Stabilizing
  - Lock in the new pleat design for optimum filter performance and life

- New Pleating and Pleat Spacing
  - Yields the optimum performance from every unit area of the filter media

- Radial Seal
  - Reliable seal with the SSG housing and easy serviceability

For more information, visit www.Fleetguard.com.au

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