



Performance Data Sheet

AF879NF and AF899NF

NanoForce™ Media for Air Filtration

Description

Fleetguard® NanoForce™ air filters deliver the cleanest combustion air for large construction and mining engines and equipment. The well proven, robust features of the AF879NF and AF899NF provide a premium level of protection. The nanofiber media includes new, enhanced filter media pleating and pleat stabilization to deliver superior engine protection and long filter service life.

Features

- Nanofiber filter media provides the highest possible filtration efficiency without compromising filter life
- Pleat geometry, spacing and stabilization yields the optimal filter performance for the equipment application
- Proven materials, handles and seals ensure that filter life capability is supported by a filter structure that will go the distance

2X longer service life achieved versus conventional air filter

3X the engine protection versus conventional filters

- Quantifiable reduction in wear particles



AF879NF Specifications

Capacity	8,500 g (with nominal 0-5 micron dust) 14,400 g (with ISO fine test dust)
Rated Air Flow	2,058 ft ³ /min (58.3 m ³ /min)
Efficiency	99.99% (with 0-5 micron dust per ISO 5011)
Seal Type	Axial on open end with boot seal on closed end
Outside Diameter	18.6" (472 mm)
Inside Diameter	11.1" (282 mm)
Overall Height	23.62" (600 mm)
Secondary Air Filter (if required)	AF857

AF899NF Specifications

Capacity	6,200 g (with nominal 0-5 micron dust) 11,400 g (with ISO fine test dust)
Rated Air Flow	2,058 ft ³ /min (58.3 m ³ /min)
Efficiency	99.99% (with 0-5 micron dust per ISO 5011)
Seal Type	Axial on open end with boot seal on closed end
Outside Diameter	18.6" (472 mm)
Inside Diameter	12.2" (311 mm)
Overall Height	23.62" (600 mm)
Secondary Air Filter (if required)	AF880

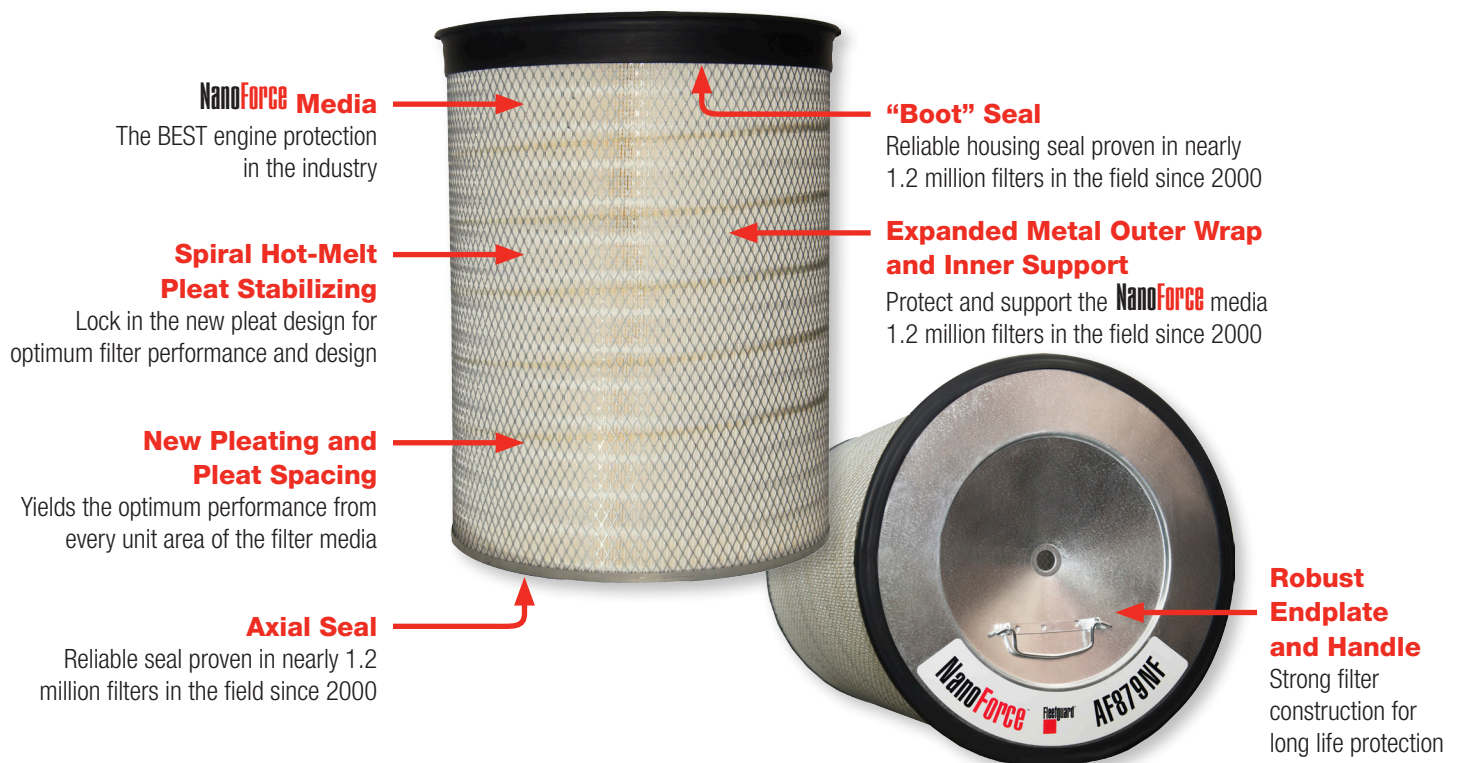
Installation and Use Tips

- 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 instructions and install new metal /rubber gaskets properly.

Applications

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



For more detailed information or to find the nearest retailer of Fleetguard products, visit cumminsfiltration.com/wrl.



For more information, visit cumminsfiltration.com

PD10020
©2014 Cummins Filtration Inc.
Printed in USA on Recycled Paper