

# Fleetguard®

# Performance Data Sheet

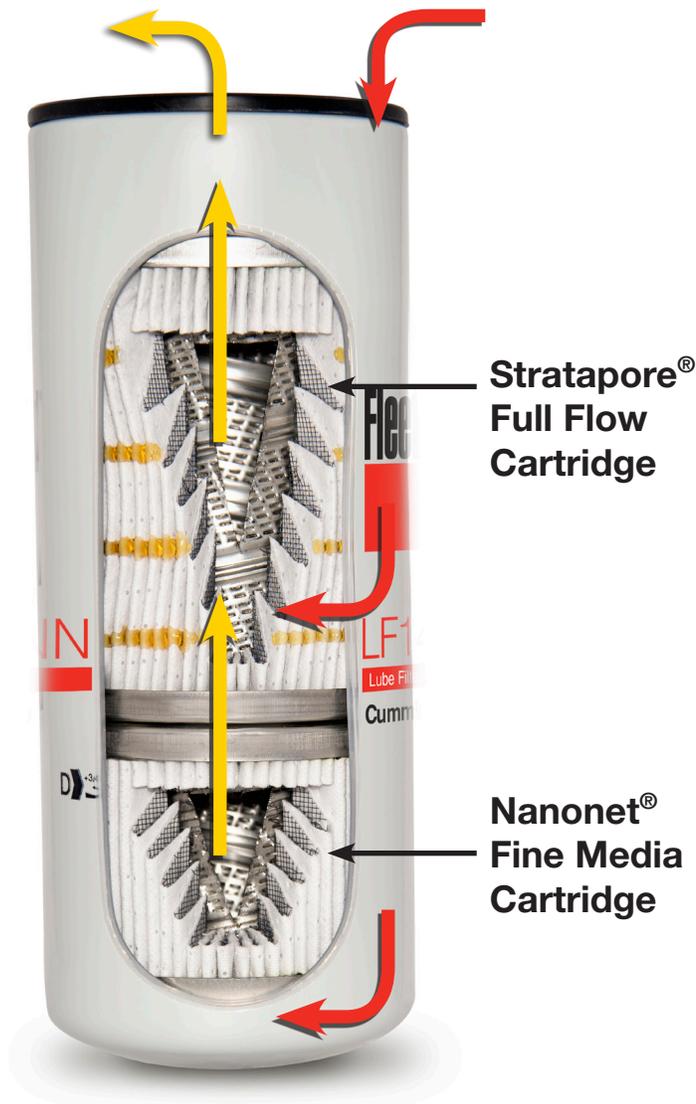
## LF14000NN

### Featuring NanoNet® Media

### Description

Cummins® Filtration LF14000NN Lube Filter technology delivers best in class performance and provides high efficiency filtration for extended protection to the engine and components. Its unique Full-Flow design delivers optimum performance and reliable operation, maximizing equipment operating time and lowering costs.

### Oil Flow



### Features

**Full-Flow Section with StrataPore® Media** – Patented media with gradient density provides high efficiency with low cold start restriction and high capacity for contaminants.

**NanoNet® Media** – Nanofiber media allows for better cold-flow ability, which means less restriction and faster oil lubrication on cold start up.

### Benefits

- Longer service intervals
- Reduced maintenance costs
- Lower operating costs
- Longer component life
- Fine particle removal extends engine life
- Captures and retains contaminants that can damage the engine
- Allows high efficiency throughout the life of the filter
- Improves cold-flow ability: the oil flow under increased restrictions due to cold temperatures, high soot and sludge levels, oil oxidation, and premature plugging

**The LF14000NN is now standard on Cummins heavy-duty engines and should be used wherever the LF9080 was previously used.**

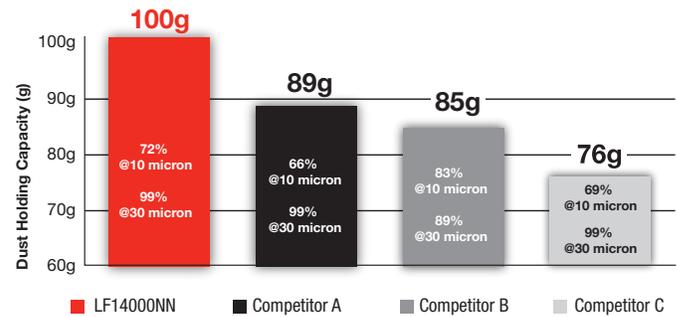
## Specifications

Capacity	100 g*
30 Micron Efficiency	98.9%
10 Micron Efficiency	72.3%
Rated Flow	27.74 gal/min (105.0 L/min)
Dome Outside Diameter	4.671" (118.6 mm)
Gasket Inside Diameter	4" (102 mm)
Gasket Outside Diameter	4.68" (118.9 mm)
Media Bypass Disc Height	3.29" (83.6 mm)
Overall Height	11.602" (294.69 mm)
Seam Outside Diameter	4.65" (118.1 mm)
Thread Size	M95 X 2.5-7H

\* Capacity measured at rated flow and terminal dp of 25 PSID



## Performance



## Installation Tips

- Installation instructions are provided on the filter
- Always pre-fill with oil on the “dirty” side of the filter (on the outer side of the filter)
- 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

## Recommended Service Intervals\*

- Light Duty: >7.0 mi/gal (2.98 km/L)  
Replace every 35,000 miles
- Normal Duty: 6.0-7.0 mi/gal (2.55-2.98 km/L)  
Replace every 25,000 miles
- Severe Duty: <6.0 mi/gal (2.55 km/L)  
Replace every 15,000 miles

\* Service intervals are for Cummins ISX, ISM, QSX, QSM and M11 engines. For more application details, refer to the online catalog at [cumminsfiltration.com](http://cumminsfiltration.com) or contact your local Customer Assistance Center. Refer to the engine owner’s manual - OEM recommended oil grade and oil change intervals should always be followed.