



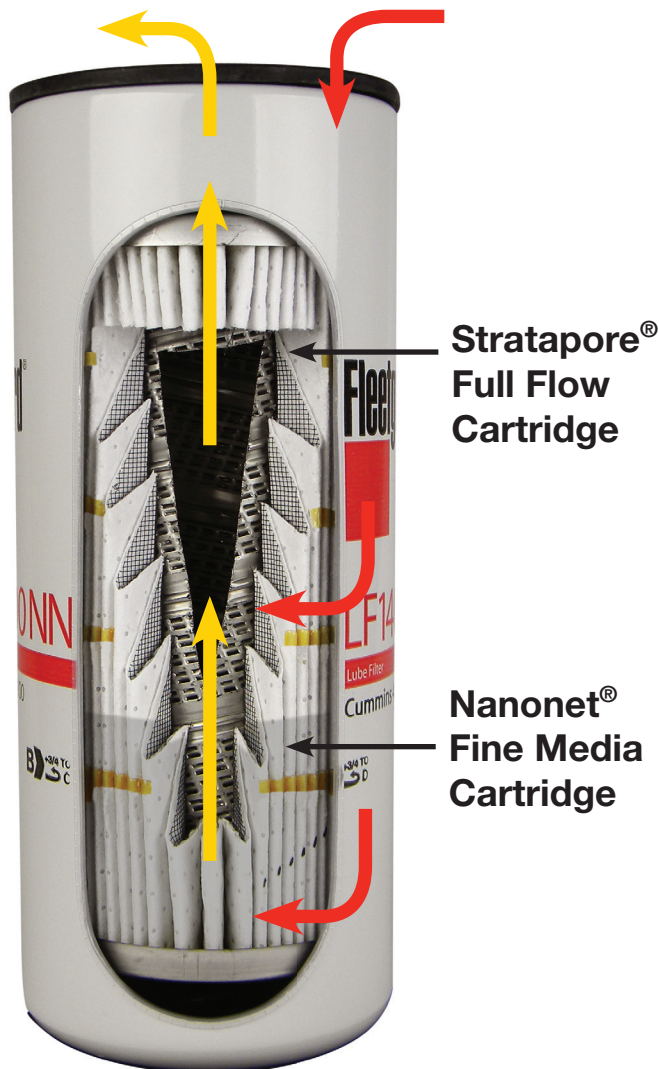
Performance Data Sheet

LF14000NN Featuring Next Generation NanoNet® Media

Description

Fleetguard LF14000NN Lube Filter technology delivers best in class performance by providing high efficiency filtration for extended protection of the engine and its components. Its unique combination media technology delivers optimum performance and reliable operation, maximizing equipment operating time and lowering costs.

Oil Flow



Features

A state-of-the-art co-bonded lamination process pairs NanoNet® and StrataPore® media together to create a combination filter developed for, but not limited to, Cummins engines. This media manufacturing technology maximizes the media area within the filter for optimum capacity and service life. Combination filters provide the following advantages:

- Higher particle removal efficiency
- Increased contaminant holding capacity
- Reduced flow restriction, especially under cold-start conditions

Benefits

- Longer service intervals
- Low flow restriction
 - = Energy efficiency
 - = Improved Fuel economy
 - = Reduced CO2 footprint
- Lower cost of ownership

The next generation LF14000NN is specifically designed for Cummins X15 engines, but is also backwards compatible on older engines where applicable.

Specifications Based on Cummins Standard (CES 10765)

Media Type	Combination of StrataPore® and NanoNet® polymeric glass-free media
Minimum Capacity*	45 g
30 Micron Efficiency	98.9%
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

The Fleetguard LF14000NN exceeds all Cummins requirements and is the OEM recommended filter.



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*

Engine	Item	Severe <5.5 mpg mi/km	Normal 5.5-6.5 mpg mi/km	Light > 6.5 mpg mi/km
Cummins X15	Oil Drain & Filter service Interval	25,000 mi	35,000 mi	50,000 mi
		40,000 km	56,000 km	80,000 km
	Oil Drain and filter service Interval with OilGuard**			Up to 80,000 mi
				Up to 130,000 km
Cummins ISX15	Oil Drain & Filter service Interval	15,000 mi	25,000 mi	35,000 mi
		24,000 km	40,000 km	56,000 km

* For more application details, refer to the online catalog at 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.

** Cummins recommends Valvoline Premium Blue™