



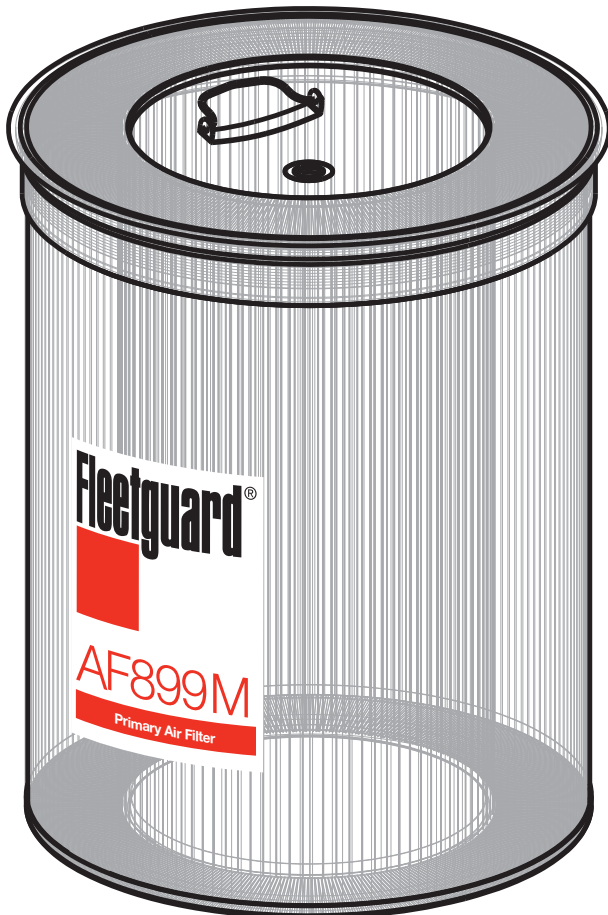
# Performance Data Sheet

## AF899M

### Magnum Upgrade Primary Air Filter

#### Description

The new upgraded Magnum AF899M has been redesigned with new advanced technology that delivers significant improvements in air filter performance for Off-Highway applications. Fleetguard® Magnum air filters keep engines on the job running cleaner, longer with an increased filtering surface and precise channels for better airflow. When compared to current Magnum products offered, customers experience up to a 25% increase in capacity. Global testing in real world situations demonstrates reduced maintenance costs and longer service life.



#### Applications

- Off-Highway
- All major OEMs, including Caterpillar®, Komatsu®, John Deere® and others

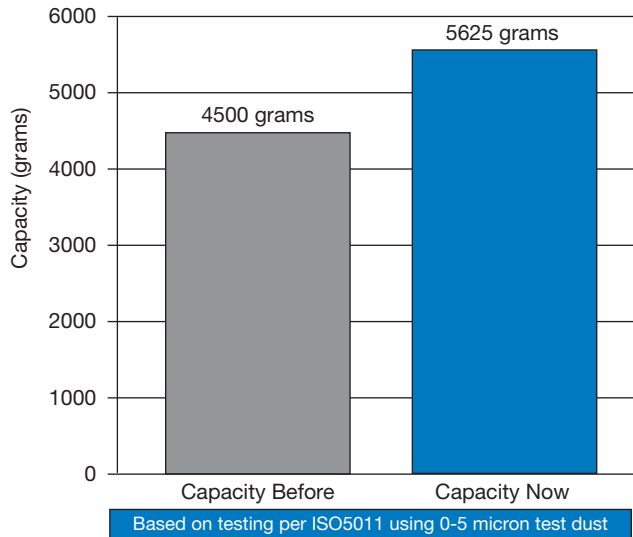
#### Benefits

- **Better airflow** to maximize engine life and lower Total Cost of Ownership (TCO)
- **Greater capacity and durability** for longer service intervals, reducing inventory needed
- **Over 20 years of real world testing** and application usage in the most rugged environments
- A **global service network** of nearly 6,000 distributor and dealer locations globally
- **Lower operating costs:** Redesigned technology offers increased performance at current price
- **Extra protection** against contaminants
- A **warranty unmatched in the industry** with NO prorating or voiding of OEM warranty

#### Features

- **Fleetguard® Cellulose Media** – Proprietary pleating technology designed for maximum performance, providing higher capacity, greater efficiency and less restriction, extending service intervals while delivering unsurpassed engine performance
- **Hot Melt Spiral Beads** – The unique design allows the filter to maintain straight, evenly spaced pleats for optimum contaminant retention

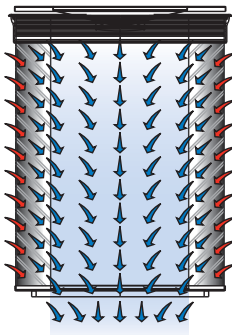
## Performance



## Long Life Capacity or Life Matters

The Cummins Filtration® technology upgrade provides up to a 25% increase in capacity over our current magnum products and features a greatly increased filtering surface and precise channels for better airflow. Spiral hot melt beads maintain straight, evenly spaced pleats for optimum contaminant-holding capacity.

## Air Flow



**Please Note:** Fleetguard® does not recommend mixing different primary and secondary air filter brands in the same housing at the same time.

For more detailed information, refer to the **Fleetguard Technical Information Catalog – LT32599** or visit **Fleetschool** at [cumminsfiltration.com](http://cumminsfiltration.com). To find the nearest retailer of Fleetguard products, visit [cumminsfiltration.com/wrl](http://cumminsfiltration.com/wrl).

## Specifications

Capacity	5625 g
Rated Flow	58.3 m <sup>3</sup> /min (2058.85 ft <sup>3</sup> /min)
Efficiency	99.97 (with 0-5 micron dust per ISO 5011)
Outside Diameter	18.6" (472 mm)
Inside Diameter	12.2" (311 mm)
Overall Height	23.62" (600 mm)

## Installation Tips

- Make sure the rubber dump valve, if there is one, is in place, not damaged or worn, and is not plugged. Make sure the drain holes are open and can allow water to drain from the housing.
- Make sure that the air inlet is away from heavy dust clouds caused by operation. Also make sure that exhaust carbon cannot enter the air inlet.
- If engine performance is poor, but restriction is still within limits, do not change the element yet. The air filter is probably not at fault. You cannot tell how plugged an air filter element is by looking at it.
- Let restriction levels be your guide for when to service filter elements. When restriction levels reach within 2 to 3 inches of water of the maximum levels recommended by your engine manufacturer, then it is time to service the air filter element.
- When it is necessary to change the air filter element, the work should be done in a still, clean area – preferably inside a shop.
- When restriction measurement finally indicates a need for change, remove the primary element carefully. Now is the time to look in the system for any contamination. Many times the removal of an air filter can create a false impression of a leak due to dirt falling off the dirty filter and landing in the “clean” area. Real dirt leaks display a “flowing” type appearance.
- Use a damp cloth to wipe out all excess dirt in the air cleaner. Clean the gasket sealing surface so the new gasket can make a positive seal.
- Make absolutely sure you install the correct replacement filter. Carefully check new air filter elements for damage before installing. A damaged filter may not seal properly in the housing. Damage can also tear the filter media creating a leak or vibration can wear holes in a damaged filter.
- Mark the new filter with the date and miles/hours at installation, and good air intake system service is complete.



For more information, visit [cumminsfiltration.com](http://cumminsfiltration.com)

PD10014 Rev. 1  
©2014 Cummins Filtration Inc.  
Printed in USA on Recycled Paper