

AMSOIL Oil and Bypass Filters



**POWERSPORTS
FILTERS**



**BYPASS
FILTERS**



**OIL
FILTERS**



The First in Synthetics®

Advanced oil-filtration technology from AMSOIL helps improve engine life and reduce maintenance costs.

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AMSOIL Oil Filters

AMSOIL Oil Filters feature advanced full-synthetic media that traps and holds a greater amount of small, wear-causing contaminants compared to conventional filters. They provide extended service intervals for increased convenience while helping reduce engine wear.

High Efficiency

Efficiency is a filter's ability to capture contaminants. The more efficient a filter is, the more contaminants it will remove from oil. AMSOIL Oil Filters provide a filtering efficiency in accordance with industry standard ISO 4548-12 of **99 percent at 20 microns** – one of the best ratings on the market. Some competitors also claim 99 percent efficiency, but at larger particle sizes of 30 to 40 microns.

Less Restriction

Proper oil flow is essential to keep engine parts lubricated at all times. AMSOIL Oil Filters' synthetic fibers are smaller than the fibers used in traditional filters, allowing for lower restriction, which decreases engine wear. Our filters allow oil to flow through more easily than a typical cellulose filter does during cold-temperature warm-ups.

Contaminant Retention

A filter's capacity refers to the amount of contaminants it can hold and still remain effective. AMSOIL Oil Filters have a greater capacity for small, wear-causing contaminants than competing filter lines. They last longer and ensure the oil is properly filtered.

Superior Construction

AMSOIL Oil Filters are made with premium-grade full-synthetic media. The strictly controlled processing of this media ensures accurate filter construction and delivers higher capacity and efficiency along with better durability.

Our full-synthetic media technology is resin-free to resist degradation from hot oil. It features a rigid mesh material that is pleated with the media for superior strength.

AMSOIL Oil Filters are constructed with nitrile gaskets that remain flexible and have been tested to extreme distances in severe environments. They feature fully tucked seams, a molded element seal, roll-formed threads and a long-lasting, premium-grade silicone anti-drainback valve.

Easy-Grip Coating

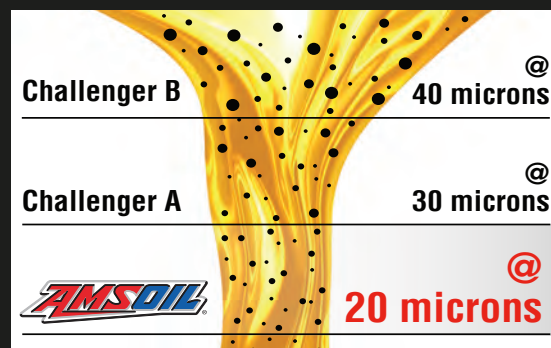
AMSOIL Oil Filters feature a textured coating to ease installation and removal.

- **Help Reduce Engine Wear**
- **Trap Smaller Contaminants**
- **Hold More Contaminants**
- **Full-Synthetic Media**
- **Extended Service Intervals of 25,000 miles/One Year (EAO) or 15,000 miles/One Year (EA15K)**

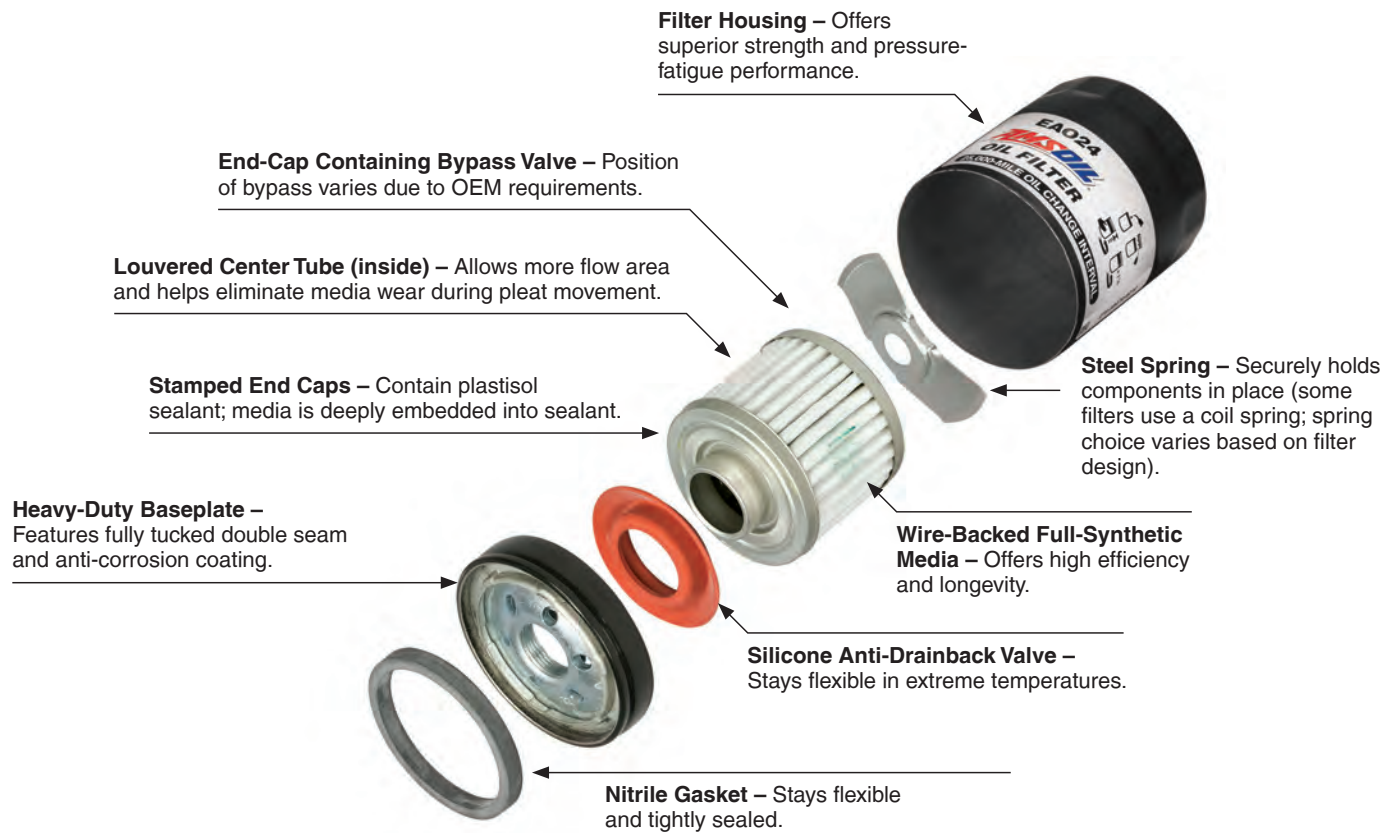


99% Efficiency at 20 Microns

Filtering particles >20 microns fights engine wear.^{AA}



^{AA}In accordance with industry-standard ISO SO 4548-12.



SERVICE LIFE

When used in conjunction with AMSOIL synthetic motor oils, AMSOIL Oil Filters are guaranteed for extended service life:

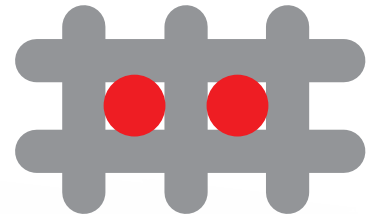
- Filters designated with product code EA15K are recommended for 15,000 miles (24,000 km) or one year, whichever comes first, in normal or severe service.
- Filters designated with product code EAO are recommended for 25,000 miles (40,000 km) or one year, whichever comes first, in normal service or 15,000 miles (24,000 km) or one year, whichever comes first, in severe service.

NOTE: Change oil filter at every oil change.

Consult the AMSOIL Product Guide, AMSOIL Online Filter Cross-Reference or MyAMSOILGarage™ at amsoil.com to determine the appropriate filter for each application. When AMSOIL Oil Filters are used with a motor oil other than AMSOIL synthetic motor oil, the filter should be changed according to the vehicle manufacturer's recommendation.

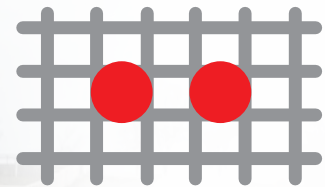
Cellulose Media Fiber Spacing

High Restriction



Synthetic Media Fiber Spacing

Low Restriction



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- **Help** Extend Engine Life
- **Help** Extend Drain Intervals
- **Reduce** Maintenance Costs
- **Remove** Soot & Small Particles
- **Improve** Oil Cooling

AMSOIL Bypass Oil Filters

AMSOIL Bypass Filters provide the ultimate in protection against wear, oil degradation and corrosion in auto/light-truck, heavy-duty and other applications.

Bypass Basics

Bypass oil filtration systems feature a secondary filter with the purpose of eliminating nearly all contaminants in engine oil. Bypass filters have high capacities and eliminate much smaller particles than full-flow filters, including soot. They help reduce engine wear and increase oil volume, but their high efficiencies mean they also have higher restriction and must be used in conjunction with a full-flow filter.

Bypass filters operate by filtering oil on a “partial-flow” basis. They draw less than 10 percent of the oil pump’s capacity at any one time and trap the extremely small, wear-causing contaminants that full-flow filters can’t remove. Bypass filters have a high pressure differential, causing the oil to flow through them very slowly and allowing for the removal of smaller contaminants. It is called bypass filtration because the oil flows from the bypass filter back to the sump and bypasses the engine. This continual process reduces long-term wear and helps extend drain intervals.

Higher Efficiency

AMSOIL Bypass Filters provide higher filtering efficiency, soot removal and increased oil capacity due to superior media composition and configuration. They feature an efficiency of 98.7 percent at two microns.

Superior Construction

The superior construction provides better sealing and increased longevity along with superior corrosion resistance. They feature a marine powder-coated exterior. Their corrosion-inhibitor baseplates increase rust protection, and are compatible with existing AMSOIL bypass filter mounts. AMSOIL Bypass Filters have a long-life gasket that stays flexible and seals tightly.

Longer Lasting

AMSOIL Bypass Filters offer long service life. Do not exceed the limits listed in the chart below.

	EaBP90	EaBP100	EaBP110	EaBP120
Mileage	60,000	70,000	80,000	120,000
Hours	600	800	1,200	1,800
Time	2 years	2 years	2 years	1 year

AMSOIL Bypass Oil Filtration Systems



The Dangers of Soot

Carbonaceous combustion particulates, known as soot, are created as a result of the normal diesel combustion process. Soot particles that aren't expelled via the exhaust system become trapped on the exposed oil film. The rings wipe the particulates into the oil where they aggregate, increasing soot levels in the oil. Dispersant additives will generally keep soot from 0.002 to 0.5 microns in suspension. However, as the amount of soot suspended in the oil increases, the performance of these additives decreases.

Soot Causes Wear

As dispersants in the oil are consumed, soot particles grow to a size that causes problems, indicating a direct correlation between wear and soot concentration; the higher the concentration of soot, the higher the level of wear.

Today's oil manufacturers are extending oil life by holding higher concentrations of contaminants, including soot, in suspension in the oil. They are also increasing fuel economy by reducing oil viscosity and oil film thickness, therefore reducing the critical contaminant size. This further necessitates the use of bypass filtration, especially in diesel engines.

Vital Statistics

AMSOIL offers several bypass filtration systems and bypass oil filters that can be installed on a variety of popular applications, including Ford* Power Stroke,* Chevrolet* Duramax,* Dodge* Cummins,* heavy-duty trucking, marine and other applications. Contact your local AMSOIL Dealer for information. Bypass filtration is a valuable system for anyone who wants to prolong engine life. It is also beneficial to vehicles that are exposed to high levels of contaminants on a regular basis.





AMSOIL Heavy-Duty Extended-Life Oil Filters

AMSOIL Heavy-Duty Extended-Life Oil Filters provide excellent filtering efficiency and high contaminant-holding capacity for heavy-duty applications, including (not limited to) over-the-road trucks; dump trucks; refuse haulers; school buses; farm tractors; mining, construction and industrial equipment; and more. They provide extended service intervals that coincide with the maximum drain interval recommendations of AMSOIL synthetic motor oils, increasing convenience and reducing maintenance costs.

- **Excellent** Efficiency for Maximum Wear Protection
- **High** Capacity
- **Full-Synthetic** Media
- **Provide** Extended Service Intervals for Reduced Costs

Absolute Efficiency

AMSOIL Heavy-Duty Extended-Life Oil Filters are engineered using full-synthetic media that provides an average filtering efficiency of 99 percent at 20 microns in accordance with industry standard ISO 4548-12, ranking them among the most efficient available for heavy-duty applications. Increased efficiency helps reduce wear for long engine life.

Less Restriction

AMSOIL Heavy-Duty Oil Filters have lower restriction than conventional cellulose media filters. Their small synthetic fibers trap smaller particles and hold more contaminants, resulting in lower restriction. During cold-temperature warm-up periods, AMSOIL Heavy-Duty Oil Filters allow the oil to flow through the filter more easily than a typical cellulose filter. Lower restriction helps circulate oil more quickly, promoting long engine life.

Contaminant Capacity

A filter's capacity refers to the amount of contaminants it can hold and still remain operational. AMSOIL Heavy-Duty Oil Filters have a high holding capacity for small, wear-causing contaminants.

Superior Construction

AMSOIL Heavy-Duty Oil Filters are made with premium-grade full-synthetic media. Over the service life of a conventional cellulose filter, hot oil can degrade the resins that bind the media. AMSOIL Heavy-Duty Oil Filters' full-synthetic media technology is resin-free. It uses a wire screen backing that is pleated with the media for superior strength. AMSOIL Heavy-Duty Oil Filters are constructed with long-life gaskets that are fully tested over long durations in numerous severe environments.





AMSOIL Motorcycle and Powersports Oil Filters

Motorcycle and powersports enthusiasts want their equipment to run at peak performance and deliver years of satisfaction. Many have invested thousands of dollars and untold hours into acquiring and taking care of their machines. Dirt and other particles, however, can infiltrate the engine and cause wear. Over time, the engine can become less efficient, lose power and fail to deliver the “like-new” feeling enthusiasts desire when riding. AMSOIL Motorcycle Oil Filters use the same synthetic media found in AMSOIL Oil Filters for auto/light-truck applications. Their excellent filtering efficiency maximizes wear protection, helping equipment run at peak efficiency and last longer.

- **Guard** Against Engine Wear
- **Help** Extend Engine Life
- **Help** Improve Performance
- **Fluted** for Easy Removal

Maximum Protection Against Wear

The unique construction and full-synthetic media of AMSOIL Motorcycle Oil Filters allow them to provide excellent performance in motorcycles and other powersports equipment. They are designed to last longer, remove smaller particles and offer less restriction than other filters. AMSOIL Motorcycle Oil Filters provide filtering efficiency of 99 percent at 20 microns, delivering outstanding protection for motorcycles and other equipment.

Durable Construction

AMSOIL Motorcycle Oil Filters feature a specially constructed silicone anti-drainback valve (where applicable) and a nitrile sealing gasket to go along with full-synthetic media. The anti-drainback valve provides excellent protection during startup and remains flexible in all temperatures. The nitrile sealing gasket resists chemical breakdown, providing excellent durability and ensuring long filter life. AMSOIL Motorcycle Oil Filters are fluted for easy removal and are available in chrome.

Multiple Applications

AMSOIL Motorcycle Oil Filters provide outstanding protection for motorcycles, ATVs, UTVs, four-stroke personal watercraft, four-stroke snowmobiles and four-stroke outboards. AMSOIL provides motorcycle oil filters for the most popular powersports applications.



Aftermarket Filters

AMSOIL also offers premium filtration products from its aftermarket partners, including Donaldson,[®] WIX[®] and MANN-FILTER.[®]



Donaldson[®]
Filtration Solutions

Donaldson Filtration Products

Oil • Air • Fuel • Hydraulic

AMSOIL carries Donaldson Blue and P-Series filtration products, regarded as among the best available, to complement the AMSOIL Heavy-Duty Extended-Life Oil Filter line.



WIX
FILTERS

WIX Filtration Products

Oil • Air • Cabin Air • Fuel Racing • Transmission

AMSOIL offers WIX filters for automotive and light-truck applications as a complement to the AMSOIL line of filters, allowing AMSOIL to offer the convenience of one-stop shopping.



**MANN
FILTER**

MANN-FILTER Filtration Products

Oil • Air • Cabin Air • Fuel

AMSOIL offers MANN-FILTER filtration products as a complement to the AMSOIL line of filters. MANN-FILTER specializes in filtration products for European applications.



Contact your local full-service AMSOIL Dealer for more information on AMSOIL products or to place an order. You may also order direct by calling AMSOIL INC. at 1-800-956-5695 and providing the referral number listed here. ▼

Referral # _____