



Filtration Catalog

 **BOSCH**
Invented for life

Bosch Filtration

Bosch is proud to offer a complete filtration portfolio exclusively to the automotive aftermarket.

There is no compromising when it comes to Bosch products and our filters are no exception. When your customers choose Bosch for their filtration needs, not only are they protecting some of the most important and expensive vehicle components from dirt and fine particles – they're also safeguarding their passengers. Every Bosch filter features premium materials, top processing and well-defined quality checks to ensure consistently high-performing filters. Bosch provides comprehensive filtration product coverage for Domestic, Asian and European vehicles driven on the road in North America.

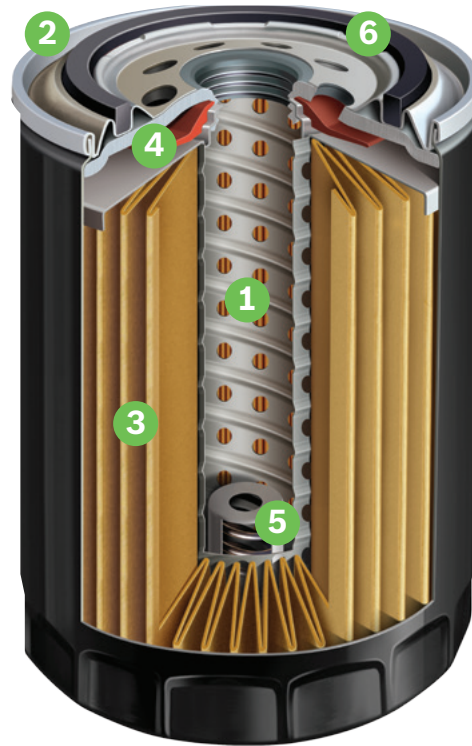
No matter what your filtration needs, Bosch is the strategic partner that you and your customers can trust.



Premium Oil Filters

Premium engine performance requires a premium oil filter. Bosch Premium Oil Filters protect the engine by keeping out harmful particles and dirt to prevent premature wear and engine failure. Bosch Premium Oil Filters not only fit like OE filters, they utilize an exclusive blend of natural and synthetic materials in the media for superior oil filtration and increased engine protection.

With 99% efficiency* and a media that can hold up to 14 grams* of dirt and particles, the Bosch Premium Oil Filter traps both large and microscopic particles from entering the engine. Your customers can count on premium engine protection with Bosch Premium Oil Filters.



Feature

Function

- | | |
|---|--|
| 1 Metal spiral-wound center tube | Reinforces internal strength for durability. |
| 2 End caps | Prevents trapped contaminants from reaching your engine. |
| 3 Premium media | Media blend provides 99%* filtration efficiency. |
| 4 Silicone anti-drain back valve | Protects against dry starts and doesn't dry out. |
| 5 Relief valve | Prevents oil restriction and ensures proper oil flow. |
| 6 Nitrile sealing gasket | Internally lubricated gasket has long life and will not dry out. |

Features	Benefits
OE Fit	Proper fit Rest assured the filter will fit and stay on the vehicle the same way as the original filter that is put on during production of the car.
99% efficiency*	Traps small engine-damaging particles A high glass content is woven into the blended media, providing greater efficiency and strength.
14 gram capacity*	Holds on to engine-damaging particles Premium filtration media has the capacity to hold up to 14 grams of dirt* from entering the engine.

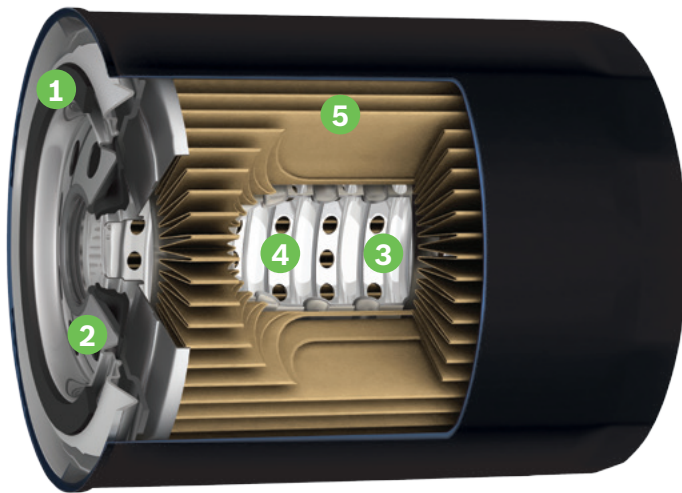
*Based on ISO 4548-12 at 20 microns on 3500

Workshop Oil Filters

Bosch offers installers a line of Workshop spin-on and cartridge oil filters designed specifically for the aftermarket. With an efficiency of 97.5%* and the ability to hold 13 grams* of contaminants, Bosch Workshop Oil Filters provide strong engine protection by keeping harmful particles and dirt out. These filters also ensure an OE fit to provide high performance while simultaneously acting against premature engine wear and engine failure. This benefits the installer by prolonging the life of your customer’s engine, avoiding costly returns.



Competitively priced and more than 95% coverage for Domestic, Asian, and European vehicles with approximately 100 SKUs, Bosch is the single supplier you and your customers can trust.



Features

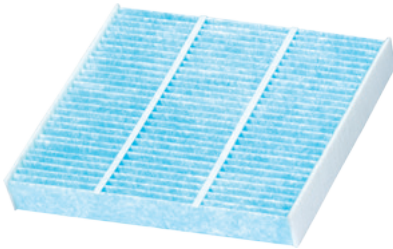
- 1 **Long lasting** synthetic rubber gasket seal
- 2 **Synthetic rubber** anti-drainback valve to avoid dry starts
- 3 **Pressure relief valve** prevents oil restrictions and provides proper oil flow
- 4 **Spiral-wound** metal center tube
- 5 **High efficiency and high capacity** cellulose media

Features	Benefits
97.5% efficiency*	Prevents up to 97.5% of harmful contaminants – such as dirt – from getting into the engine, leading to stronger engine performance.
Holds up to 13 grams of dirt*	Capable of holding up to 13 grams of dirt and contaminants, keeping the engine protected.
95%+ vehicle coverage	Coverage for Domestic, Asian and European vehicles in operation throughout North America, making this filter line compatible with most vehicles on the road today.
Competitive pricing from a trusted brand	Backed by the reliability and premium quality characteristic of the Bosch brand provides you and your customers with high-performing, competitively priced filtration products from a trusted brand in automotive parts.

*Based on ISO 4548-12 at 40 microns on L3500

HEPA Cabin Air Filters

Cabin air filters are designed to clean the air that enters a vehicle through the heating, ventilation and air conditioning (HVAC) system. Cabin air filters absorb fumes, pollen, dust and pollutants from entering a vehicle and protect passengers from being exposed to these elements, especially those affected by allergies and other respiratory problems. Bosch HEPA Premium Cabin Air Filters are designed and tested to meet High Efficiency Particulate Air (HEPA) standards based on test standard ASTM D2986, and provide filtration efficiency of 99.97% at 0.3 microns*. This efficiency provides ultimate protection in trapping allergens, dust and other particulates that can enter your vehicle and supplies the cleanest air possible for your customers.



Advantages of HEPA Premium Cabin Air Filter

- ▶ **For your health** – protection against fine dusts, allergens, harmful gases and bacteria.
- ▶ **For your comfort** – noticeably more pleasant and cleaner air inside the vehicle.
- ▶ **For your safety** – less allergic reactions reduce the risk in dangerous situations; prevents fogged-up windows, ensuring optimum sight.
- ▶ **For your vehicle** – less deposits on fans and air conditioning ensure optimum performance and reduce the risk of repairs.

HEPA Media vs. Non-HEPA Media

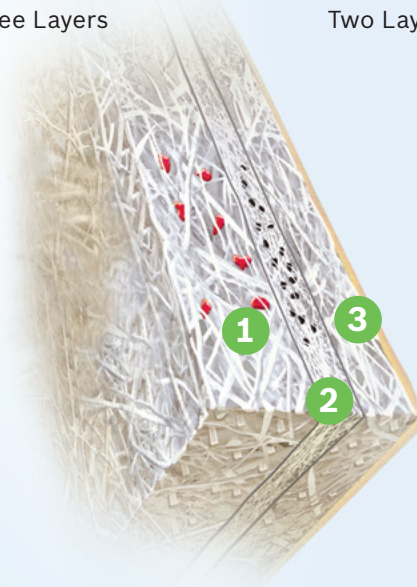
Bosch HEPA Premium Cabin Air Filters have a Melt-blown Electrostatic layer that provides a very dense media with greater trapping capabilities than non-HEPA cabin air filters. Structural ribs provide additional stability and durability for a stronger cabin air filter. Bosch HEPA Premium Cabin Air Filters are also comprised of three layers (a support layer, the HEPA layer and a static cotton layer), while competitor cabin air filters are often made with only two layers. These three layers provide outstanding efficiency in trapping more particles and dust, providing the cleanest air possible.



Magnified at 300x
HEPA Media
Three Layers



Magnified at 300x
Non-HEPA Media
Two Layers



- 1** The support layer is hard and designed to support and protect the media on the surface of the filter.
- 2** The HEPA layer is designed to trap microscopic pollutants including pollen, mold and common allergens.
- 3** The static cotton layer is included to improve the particle-holding capacity as well as prolonging the life of the filter. Unlike other cabin air filters, Bosch constructs its filters with an extra layer to combat against the smallest particles.

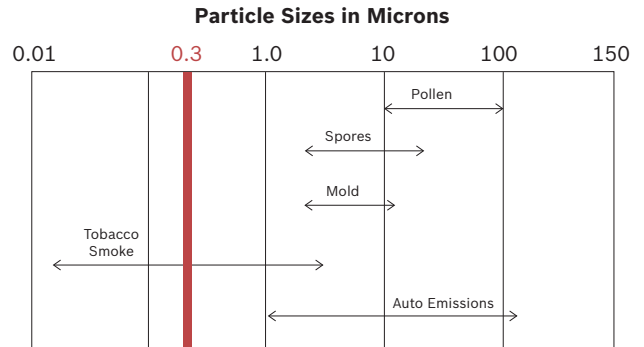
HEPA Cabin Air Filters *continued*

Changing the cabin air filter

Bosch recommends replacing your cabin air filter every 12,000 miles or per your vehicle owners manual. Most cabin air filters take less than 15-20 minutes to change. Instructions for changing a cabin air filter are unique to each car and instructions are included in the box.

What is a micron?

The average size of the openings between pieces of the filter media are represented in microns. A micron compares the size of common allergens. As a general rule, the smaller the filter's micron rating, the better the filter is. For example, a 20-micron filter has larger openings than a 5-micron filter. Consequently, the 20-micron filter element will let larger particles pass through the filter than the 5-micron media would. Bosch HEPA Premium Cabin Air Filters provide filtration efficiency of 99.97% at 0.3 microns*.



Workshop Particulate and Charcoal Cabin Air Filters

Bosch brings the tradition of quality and reliability to the installer market. Bosch Workshop Cabin Air Filters are manufactured with multiple fiber layers. These layers offer an 80%* efficiency rate at 3 microns or greater in capturing dirt, dust and other environmental contaminants from entering the heating and air vents of a vehicle. Bosch Cabin Air Filters boost better airflow and enhance a vehicle's heating, ventilation and air-conditioning system (HVAC) performance.

growing category by educating your customer about the cabin air filter in their car and replacing their dirty one with a Bosch Workshop Cabin Air Filter. The benefits of using a good quality cabin air filter greatly benefits the well-being of your customers. The growth opportunity is too big to ignore!

Over 155 million cars on the road need cabin air filters replaced, however most consumers are not aware they even have one.

Cabin air filters should be inspected at least once a year however Bosch recommends following the manufacturer manual for procedures for servicing a vehicle. Market estimates show cabin air filter sales are due to almost double over the next 5 years. Take advantage of this

Features	Benefits
80% efficient*	Captures 80% of dirt and pollutants smaller than 3 micros from entering through the heating and air vents.
85%+ vehicle coverage	Bosch-engineered cabin air filters fit more than 85% of the cars on the road in North America.
Ultimate Protection	Protects against airborne pollutants up to 12 months or 12,000 miles.**

*Based on ISO-11155 at 3 microns on P3610WS/C3610WS

** Protects against airborne pollutants up to 12 months or 12,000 miles

Workshop Fuel Filters

Bosch Fuel Filters help to protect the most expensive parts of the engine by filtering out foreign particles that can damage a fuel injector. A damaged fuel filter can result in erratic performance, poor gas mileage and – in some cases – complete engine shutdown. Even the smallest particles can cause considerable wear and tear on an engine. Protecting the fuel system and the engine from harmful particles, helps to prolong the life of your vehicle. Ensure dependable and trouble-free performance with a Bosch Fuel Filter.



Bosch uses premium quality materials, modern production methods and expertise about the injection system to engineer high-efficiency fuel filters to protect your customers' engines with 99% fuel filtration.

Bosch recommends fuel filter replacement at manufacturer-specified intervals to maintain high performance and prolong the life of your engine.

Bosch Fuel Filters help prolong the life of your vehicle and are one of the best ways to ensure dependable and trouble-free performance.

Gasoline Fuel Filters

Changing gasoline filters regularly according to vehicle manufacturer's specifications can avoid power loss of the engine, prevent impairment or interruption of the fuel supply and fuel pump and decrease wear on your engine.

Diesel Fuel Filters

The Diesel fuel filter protects the injection system and the engine against particles such as water, dirt and other residue in the fuel that can be harmful for the important components of the fuel system. To ensure engine protection, Bosch Diesel Fuel Filters filter down to as low as 6.5 microns,* which means Bosch Diesel Fuel Filters will help prolong the life of the engine.

*Unless specified differently by OE

Inline and Cartridge Fuel Filters

Bosch engineers two types of fuel filters, depending on the type of vehicle being serviced. Consult vehicle owner's manual before you change your fuel filter to ensure the correct one is chosen.

Inline Fuel Filter

These fuel filters are positioned between the fuel tank, fuel injectors and the fuel line. Various connections (dependent on the filter) are attached or are designed to trap and hold particles from entering the fuel system and engine.



Cartridge Fuel Filter

A cartridge-style fuel filter is positioned inside a protective housing of the fuel system. Depending on the application, this housing can be positioned anywhere from the fuel pump or near the fuel tank. The filter media pleats are exposed and used to trap and hold harmful particles.

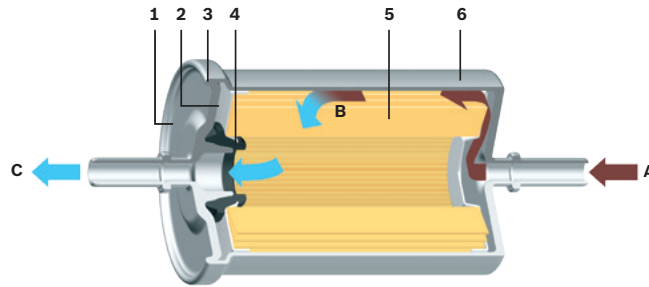


Workshop Fuel Filters *continued*

Gasoline Fuel Filter

Design and operation of gasoline filters

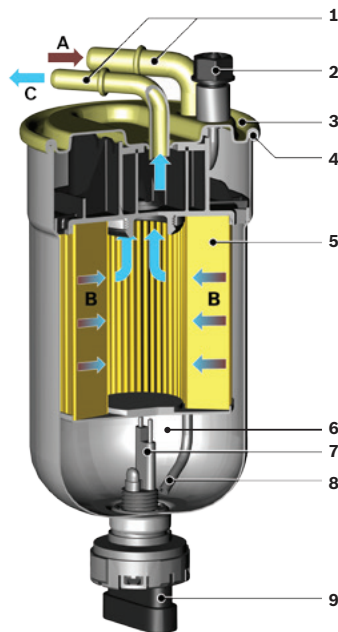
1. Filter cover
 2. Supporting plate
 3. Internally welded edge
 4. Sealing ring
 5. Filter medium
 6. Pressure-resistant filter housing
- A. Inflow of contaminated gasoline
 B. Filtration of the gasoline
 C. Clean gasoline is conducted to engine



Diesel Fuel Filters

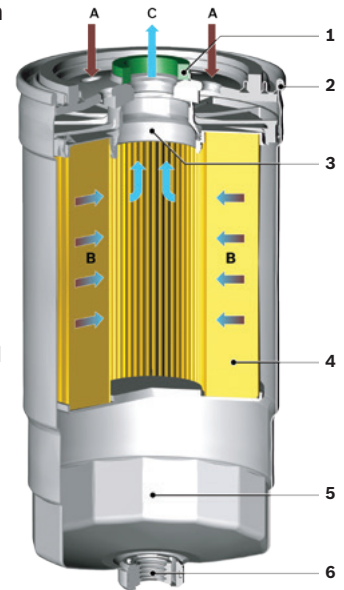
Design and operation of filter exchange boxes

1. Hose connection
 2. Water drain
 3. Filter cover
 4. Double beading
 5. Multilayer filter medium
 6. Water accumulation chamber
 7. Water sensor
 8. Water drain tube
 9. Electrical connector for water sensor
- A. Inflow of contaminated diesel
 B. Dirt and water filtration of the diesel
 C. Clean diesel is conducted to engine



Design and operation of diesel line filters

1. Sealing
 2. Fitting flange
 3. Double beading
 4. Multilayer filter medium
 5. Water chamber
 6. Water drain screw
- A. Inflow of contaminated diesel
 B. Dirt and water filtration of the diesel
 C. Cleaned diesel is conducted to engine



Features	Benefits
Multilayered filter media with 99% efficiency**	High efficiency in filtering out particles to protect both your fuel injection system and your engine.
High dirt holding capacity of 15 grams***	Designed to protect fuel systems and engine by trapping and holding more harmful particles.
Precise, reliable fuel filter connections	100% fuel filtration.
Robust aluminum-, plastic- or surface-treated steel filter housing	Designed to withstand high pressure, offering a longer fuel service life.

** Test based upon SAE J905 at 0.7 bar on 77041WS

*** Test based upon SAE J905 on 77041WS

Bosch Fuel Filters prolong engine life. Avoid inconvenient and costly comebacks by replacing your customer's current fuel filter with a quality Bosch Fuel Filter.

Workshop Air Filters

Bosch Workshop Air Filters are designed specifically for the installer market, offering more than 85% coverage for Domestic, Asian and European vehicles. This coverage ensures that installers will always have the right air filter.

Bosch Workshop Air Filters are constructed with a high number of pleats for large dust-holding capacity, with a 98% filtration efficiency to remove small dirt particles to guard against engine wear. The high velocity cellulose cured media provides minimum air resistance in ensuring even pleat distance.



The filters are then processed with a high-quality polyurethane seal so there is no loss of filter surface. The polyurethane foam seal also provides elasticity and sealing performance, while protecting against water and heat. All of these variables combined ensure only the cleanest air for strong engine protection, high-performance and better fuel efficiency – avoiding unnecessary and costly comebacks.

Your customers will benefit from this construction as the pleats and seal combined increase performance.

Features	Benefits
Filter Media	<ul style="list-style-type: none"> ▶ 98%* efficient in capturing microscopic particles and dirt. ▶ Large dust-holding capacity through high number of pleats. ▶ Inflammation protection through special coating.
High-quality Seal	<ul style="list-style-type: none"> ▶ No bypass of unfiltered air due to high-quality polyurethane seal. ▶ No loss of filter service through careful processing of the sealing material. ▶ Increases engine performance and improves acceleration for better fuel efficiency.

* Based on ISO 5011 Testing

Key Features

- ▶ Competitive pricing from a trusted brand
- ▶ Coverage for Domestic, Asian and European vehicles
- ▶ Allows for strong engine protection and performance
- ▶ 85%+ coverage
- ▶ 98% efficiency

Bosch Catalog Number	Bosch 10-digit Number	Alternate Marketing Number	Replacement Notes
71001	0450905007	F5007	
71005	0450905200	F5200	
71007	0450905003	F5003	
71015	0450905002	F5002	
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71021	0450905016	F5016	
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71035	0450905104	F5104	
71036	0450905401	F5401	
71039	0450905601	F5601	
71042	0450905087	F5087	
71044	0450905133	F5133	
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71059	0450905908	F5908	
71060	0450905906	F5906	
71061	0450905318	F5318	
71062	0450905907	F5907	
71064	0986450119	F0119	
71065	0450905960	F5960	
71067A	0450905273	F5273	
71068A	0450905921	F5921	
71069	0450905952	F5952	
71502	F00E368544	*	
71504	F00E368505	*	
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71648	F00E160016	*	SS TO 0986AF8316
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71653	F00E160122	*	SS TO 0986AF8325
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71936	F00E368481	*	

Bosch Catalog Number	Bosch 10-digit Number	Alternate Marketing Number	Replacement Notes
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74008	1457434051	N4051	
74010	1457434106	N4106	
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74014	1457434201	N4201	
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77004WS	F00E164431	*	
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BOSCH

Invented for life

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