



Air Intake Systems

Standard product offering for engines & vehicles



For any dust condition or airflow requirement, GreenFilter air intake systems deliver clean air when engines need it most.

GreenFilter Delivers



Materials • Finishes • Construction

Designed for long life, rust resistance and aesthetic appearance.

Injection and Blow-Molded Air Cleaners

Our non-metal finish is black plastic and can be found on our Advantages include:

- Lighter weight than metal air cleaners
- Corrosion and chemical resistant
- Impact, mar and vibration resistant



Polymer Coating Resists Corrosion

GreenFilter's gloss black finish – on most of our metal air cleaners is resistant to chemicals and corrosion.

Advantages include:

- Improved durability. Coating lasts 5 to 10 times longer than traditional paint.
- Impact and mar resistant. Coating is up to 17 times harder than most solvent-based paint.
- Consistent coating thickness – even in crevices and small, hard-to-reach places.



Buff Prime Finish

A buff prime finish is applied to our large S series air cleaners so our customers can apply their own paint to match the overall look of the equipment.



Intake Accessories

for On- and Off-Road Systems



GreenFilter has what you need to:

- ✓ Mount or install an air cleaner
- ✓ Solve air intake water problems
- ✓ Pre-clean or protect air inlet from debris
- ✓ Know when to service a filter
- ✓ Aspirate (or scavenge) an intake system
- ✓ Connect intake components
- ✓ Reduce service time
- ✓ Replace the filter



Air Filter Features & Technology

Green filter seals

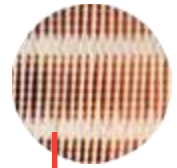
Green filters slip easily on and off the outlet tube during installation and service. This design eliminated the separate gaskets used with metal end-cap filters.

Axial filter seals

Strong, pliable gasket ensures a leak-free seal when properly installed. The gasket won't harden or deteriorate over the useful life of the filter.

Pleatloc media spacing

Ensures uniform pleat spacing, keeps filter media from bunching during operation and promotes longer filter service life.



Filter end caps

Designed to protect the filter media and provide structural integrity.

Beading

Applied to both inner and outer liners, beading is designed to stabilize the media and prevent pleat tip wear.

Heavy-duty liners

Corrosion resistant, coated steel liners support the filter media during operation and maximizes airflow.

Original Filtration Technology

provides maximum design flexibility. You gain equal performance insignificantly less space, freedom to design unique configurations to fit tight spots, and overall design simplicity.



filter seals

Our technology on filters provides a tight critical seal on unique filter shapes.

Non-metal construction

Weighs less – less disposal impact.

Filtration Technology

Filtration Performance

The standard filter media in our primary air filters is a cellulose based material used primarily in single and two-stage intake system applications (e.g., off-road, on-highway trucks, buses and underground mines.) We also have flame retardant and vibration resistant cellulose media variations that are required in specialty engine applications.



GreenFilter Filter

Key factors that affect air cleaner selection and performance

The engine intake system is designed to direct, isolate and capture contaminant before it reaches the engine.

The dust environment in which the engine must work, the available space for installation and service, and the filter service interval are key factors that affect air cleaner selection and performance.

Proper maintenance is another essential factor. A damaged filter or improper servicing will pass contaminants that cause wear in the engine.

Many Green Filter air cleaners have safety (or secondary) filters to protect the engine during the service of the primary filter or in case the primary filter is damaged. A variety of safety filter medias are used, including pleated cellulose, pleated or flat cellulose/ synthetic, and spun bond materials treated with special additives.

Compare for yourself — see how much dust can pass through your air filter during 100 hours of operation.

GreenFilter Air Filter Media

Ultra-Web®

Standard

Will-fit Air Filters

Standard Media



up to 99.99%
0.1 gram dust

99.9%
1 gram dust

99.0%
10 grams dust

Filtration efficiency (%) and dust passed after exposure to 1 kilogram of dust (approximately 100 hours of operation) for a typical off-road application.

GreenFilter efficiency is based on IATF 16949 — the test standard for air filter life and efficiency.

GreenFilter Air Filtration Technologies Help OEMs Meet Global Emissions Regulations

The emissions solutions introduced to meet diesel engine emissions regulations have resulted in numerous vehicle design changes for original equipment manufacturers. Changes that we have seen include engine compartment size reductions and lower system weight requirements.

For engine manufacturers, regulators now recognize that engine blow-by gas emitted from the crankcase is a major emissions source and require that the vent be closed or filtered with high efficiency filtration.

Our Filtration Technology is a perfect fit for the new space limitations, offering higher capacity and improved efficiency in a much smaller footprint. The geometric flexibility of PowerCore air intake systems gives OEM engineers the freedom to design unique configurations to fit tight spots.

Green Filter Filtration Systems

Our CCV or OCV systems reduce or eliminate harmful and unwanted crankcase emissions. Our Synteq XP coalescing media technology offers high efficiency filtration with low operating pressure drop.



Three standard models (small, small extended and mid-sized) are available for engine blow-by flow ranges up to 300 lpm / 10.6 cfm and with blow-by mass flow rates up to 15 gms/hr.

Air Filtration Go-To Place

www.zhenhangfilter.com

Need to find a local source for GreenFilter air filtration products?

> go to <https://www.zhenhangfilter.com/green-filter-manufactures-high-performance-air-filters.html>

Need to select a new air cleaner?

> go to <https://www.zhenhangfilter.com/cat/air-filter.html>

Need a replacement filter for your air cleaner?

> go to <https://www.zhenhangfilter.com/air-filter-8713.html>

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Single Filtration Source

Not just air. GreenFilter has lube, fuel, coolant, hydraulic, and transmission filters for all vehicles, from pick-ups SUVs and hybrids, to mining haul trucks!

