

PowerCore™ Filtration Technology



PowerCore Filtration Technology delivers peak air filtration performance in a compact size.

Millions of units are installed around the world and it's becoming the new standard for premium filtration on diesel-powered vehicles.



Donaldson®

Like Never Before!

Know-how *and the* **Right Technology**



Purchasers! Please take note.

When your design engineers request PowerCore Filtration Technology, you will gain:

- **Reliability**
Million of units installed since 1999 backed by nearly a century of innovation and experience – Donaldson supplies air filters to almost every manufacturer
- **Lower shipping and inventory costs**
Our filters are lighter and take up less shelf space
- **Customer service**
Donaldson has a service network of independent distributors and OE dealer locations in North America and around the globe
- **Worldwide manufacturing and supply chain**
Donaldson has the expertise to ensure a constant supply of products to meet the demands of our worldwide customers

Donaldson is the key to new ideas in filter technology.

Call us soon or visit our web site at

www.donaldson.com

In This New Age of

Manufacturing expectations...

look to **Donaldson for
the answer**



You've got Donaldson PowerCore™ Filtration Technology on your side.

Today's streamlined vehicle designs, higher horsepower engines and governmental emissions requirements mean less space under the hood and outside the cab. Donaldson PowerCore filtration technology lets you cut space without reducing performance.



Straight-through Air Flow

- **Reduced space needs — by as much as half that of a conventional filter**
- **Maximum air filter design flexibility**
- **Increased dust and soot holding capacity**
- **Reduced restriction across the filter**



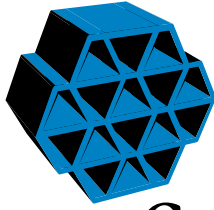
PowerCore Air Filters

- **Easier and cleaner to service**
- **Lighter**
- **Non-metal**
- **Rugged construction**



*Contaminants stay inside the filter —
and won't drop back into an
unprotected air filter housing.*

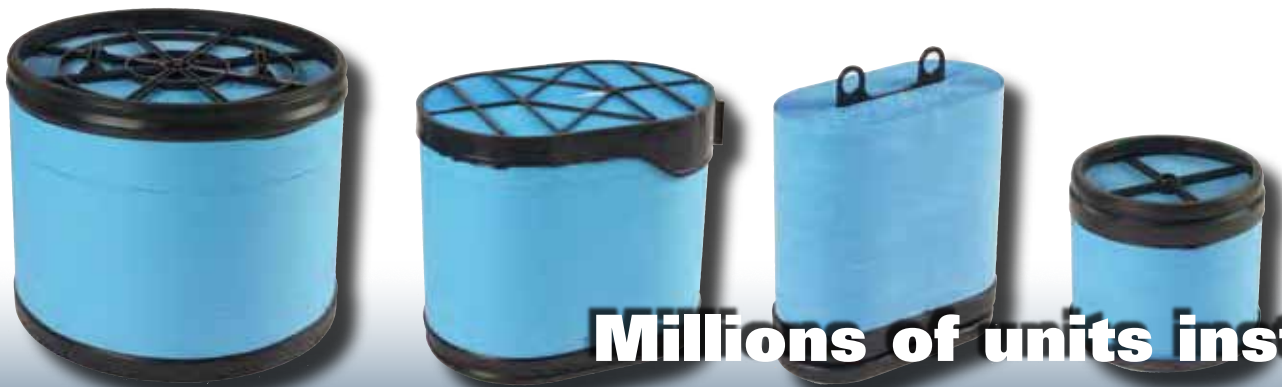
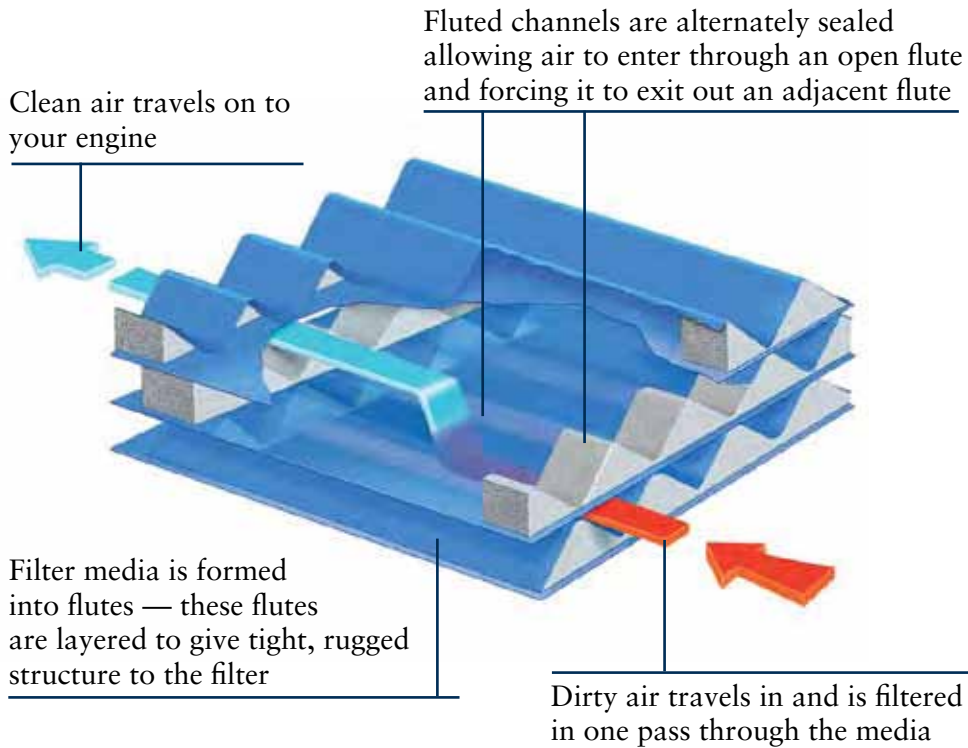




PowerCore™

PowerCore – The filter innovation that's changing customer expectations.

Tomorrow's Innovation *for* **Today's Design**



Millions of units installed

Like Never Before!

Peak Air Filter

in **Less Space**



PowerCore Filter

Conventional Filter

PowerCore filters, using patented Ultra-Web® nanofiber filtration, are up to **10 times** as efficient and are more compact at a given performance level than standard, pleated cellulose filters.

The design of the U.S. and internationally patented housings, filters and filter media are key to Donaldson PowerCore filtration technology (over 100 patents granted or pending).

With Donaldson PowerCore filtration technology you get equal or better performance in significantly less space, the freedom to design unique configurations to fit tight spots, and overall design simplicity.

Traditional filtration technology using a conventional cellulose filter.



Conventional Technology

Revolutionary PowerCore filtration technology features equal or better performance in a smaller size, straight-through air flow and easily-replaceable filters.



PowerCore Technology



Used around the world!

Improved efficiency

PowerCore is up to 10 times more efficient than conventional filters

Improved engine protection

no media movement, expansion, contraction or bunching, with less dust and dirt passed on to the engine

Improved contaminant encapsulation

dust and dirt won't dislodge during servicing

Improved handling and maintenance

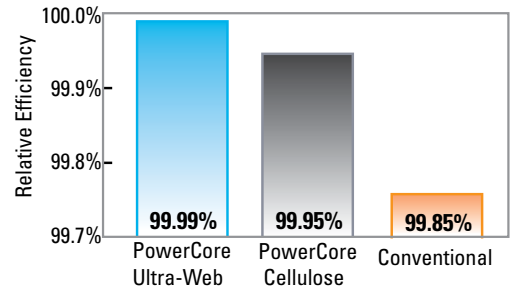
lighter and smaller, changing filters is a snap

Improved disposal ease

no metal

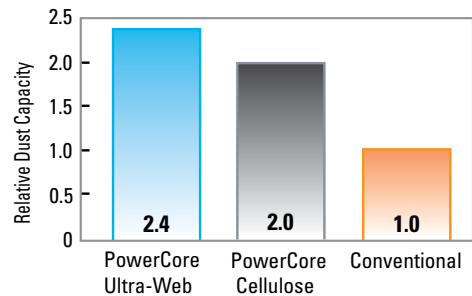
Overall Efficiency

Improved filtration efficiency.



Dust Holding Capacity

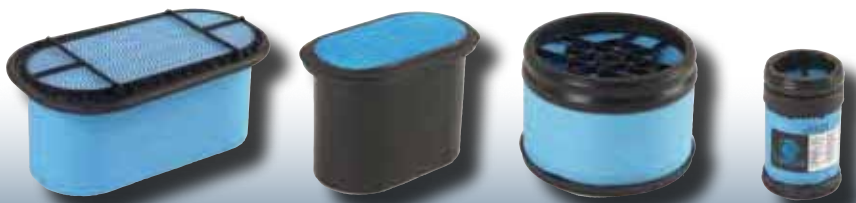
Gain over 100% more dust holding capacity in a given volume.



PowerCore Technology delivers these

User Benefits

no matter what **Configuration**



Construction • Agriculture
Mining • Trucking Automotive

Engine Protection *in* **All Conditions**

Like Never Before!

PowerCore filters in round, obround, and rectangular configurations.



Innovative vehicle designs call for new engineering solutions plus know-how from your suppliers. We have both — and are ready to help you solve your space or configuration problems.



Blue PowerCore filters contain Ultra-Web® nanofiber filtration technology



White PowerCore filters contain cellulose filter media

Your Choice!

Custom Features or a Standard Design

Custom design choices

- housing shape
- inlet/outlet positions
- pre-cleaners
- filtration performance
- intake sensor port
- service cover retention



Standard design - readily available air cleaners with PowerCore Filtration Technology

If you don't have the volume or time for a custom designed air cleaner, consider our family of standard housing designs available that can be mounted in multiple orientations.



Donaldson

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