



INTRODUCING

Donaldson Blue® Filters with
NEW Ultra-Web® HD Media

THE **BEST**
JUST GOT **BETTER**



Donaldson®
BLUE

DONALDSON BLUE® AIR FILTERS WITH Ultra-Web® HD Media



Calling your work-site “dusty” is a monumental understatement. Dust is ever-present. It gets into everything. If you let it, it could slow you down; or worse yet, shut you down. But you can’t let that happen – we can help.

There’s a new defence in the war on dust. Donaldson Blue filters for SSG, SRG and STG air cleaners now feature a revolutionary NEW media called Ultra-Web® HD.

HD for Heavy-Duty. HD for Heavy-Dust.

Donaldson invented Ultra-Web media technology over 30 years ago and we were the first to introduce the technology to engine air filtration. Now we’re raising the bar in filtration performance with the release of Ultra-Web® HD, designed specifically for heavy-duty, high-dust environments.

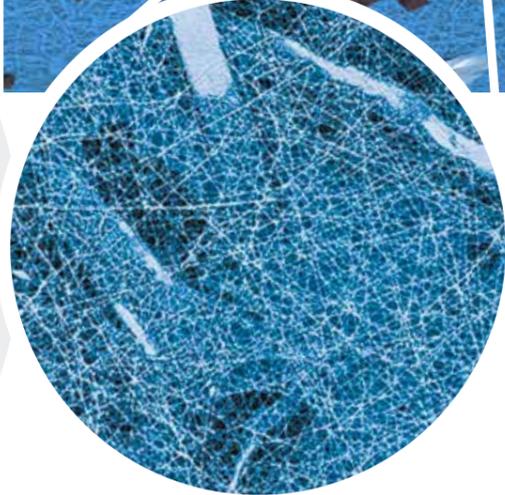
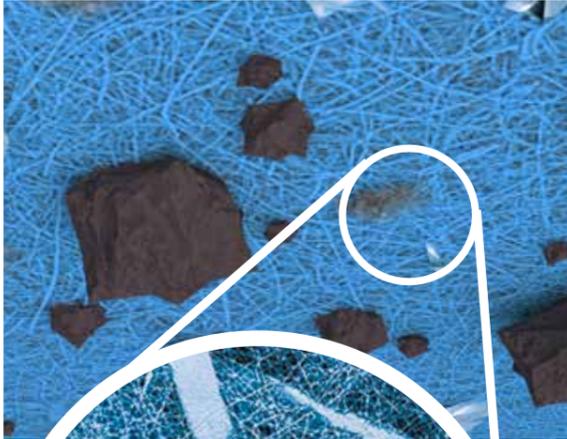


DONALDSON BLUE® AIR FILTERS WITH Ultra-Web® HD Media



Donaldson Blue® with Ultra-Web®

Previous generations of nanofibers and cellulose media have larger overall fiber size, fewer nanofibers and larger spaces between them allowing fine dust to penetrate further into the media, resulting in higher restriction and lower capacity. These media types suit many applications, however, for ultra-fine dust in heavy quantities like those encountered on mine sites, Ultra-Web® HD media is the best choice.



Donaldson Blue® with Ultra-Web® HD

While traditional Ultra-Web® media will protect your equipment in harsh environments, Ultra-Web® HD has been developed for use in extreme fine dust environments. It’s the nano-technology that makes this filter such a strong performer. Donaldson’s Ultra-Web® HD media creates consistent inter-fiber spacing at a microscopic level. Because these fibers are so small and strong, we can add more of them to the critical ultra-fine fiber layer without creating additional restriction. The result is a filter that delivers everything required to combat dust ingress; ultra-long life and ultra-high efficiency.

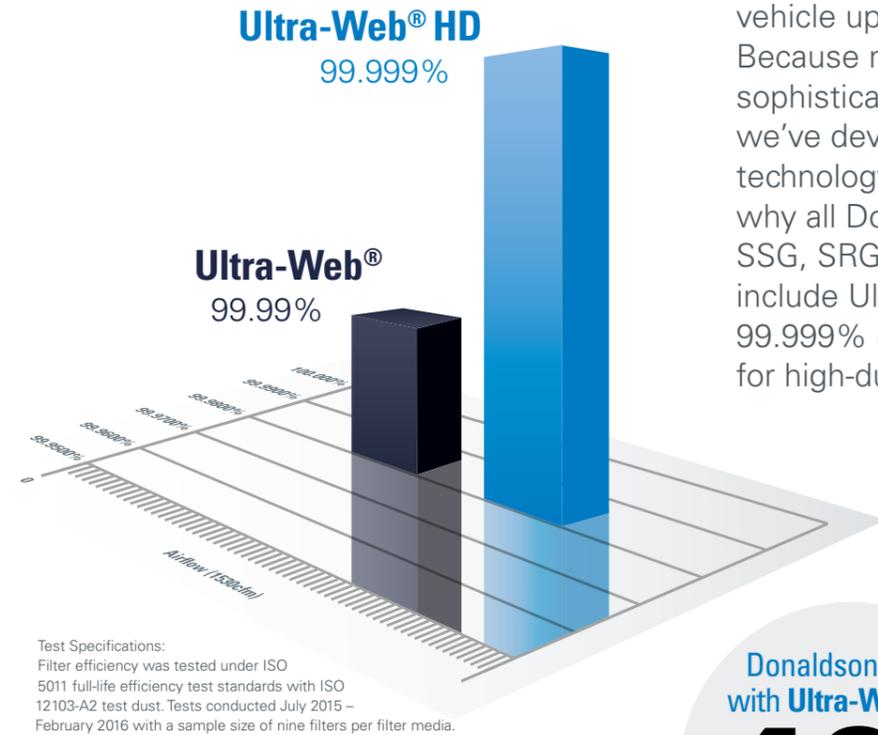
Enlarged top views of media both shown at 1000x magnification



GREAT NEWS FOR SSG, SRG AND STG AIR CLEANERS

The Power of 99.999%

Valuable mining equipment is subject to some of the harshest conditions in the world. Reliable air filtration is key to protecting engines and maximising vehicle up-time in high-dust environments. Because modern engines are more sophisticated and more expensive, we've developed improved air filtration technology to help you protect it. That's why all Donaldson Blue® filters made for SSG, SRG and STG air cleaners will now include Ultra-Web® HD media. With up to 99.999% efficiency, it's the best protection for high-dust applications.



Donaldson Blue® with Ultra-Web® HD
40x
less dust than standard cellulose media

Donaldson Blue® with Ultra-Web® HD
7.5x
less dust than previous generation nanofibers

GREAT NEWS FOR YOUR SITE

Filters that REGENERATE

Ultra-Web® HD media is built with a fine-fiber layer on the exterior, which promotes dust loading on the surface of the media; rather than dust embedding deep within the media. This surface loading feature works to your advantage because this "dust cake" will shed under equipment vibration and be discharged through the air cleaner's vacuator valves. This results in less dust (weight) becoming lodged deep within the media and because of the regeneration action of combined surface loading and vibration, promotes longer filter life.

SURFACE-LOADED ULTRA-WEB® HD



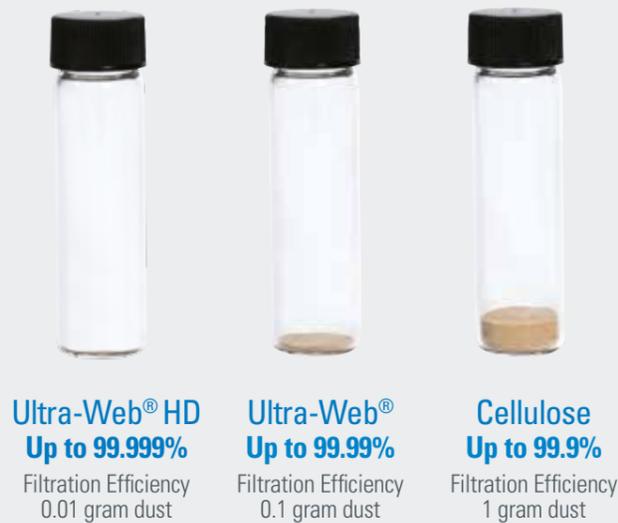
Nanofibre media is loaded with ISO fine dust. Dust particles collect on the surface of the media and vibrate off with equipment use – allowing the filter to last longer.

Ultra-Web® HD
OUTPERFORMS AND OUTLASTS IN Heavy-Duty, High-Dust environments

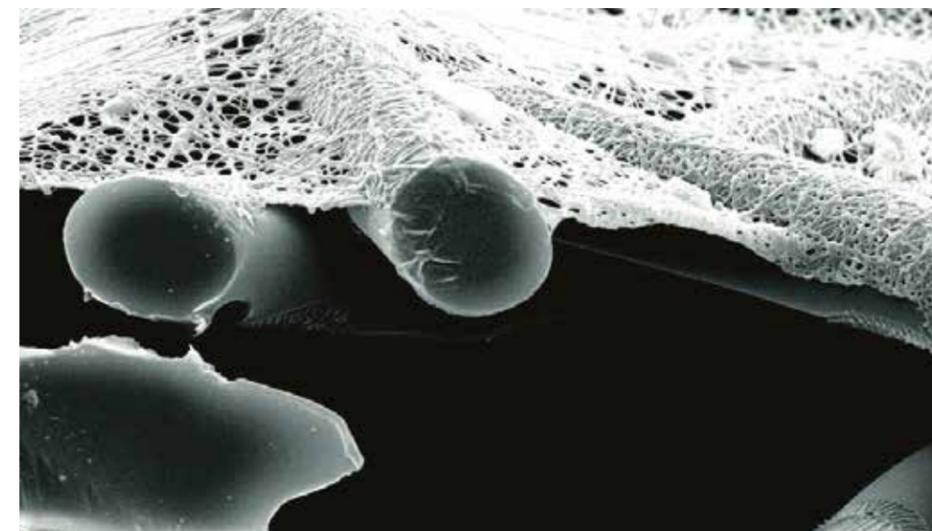
DOES 9/1000th's REALLY MATTER?

Higher levels of contamination in engine air may result in accelerated wear and ultimately, premature component failure.

HIGHER EFFICIENCY = BETTER ENGINE PROTECTION



ULTRA-WEB® HD UNDER EQUIPMENT VIBRATION



This illustration represents the relative amount of dust particles that pass through air filters to the engine.

THE PROOF IS IN THE PERFORMANCE

Ultra-Web® HD OUTPERFORMS

DONALDSON STG AIR CLEANERS

G160077 G140076 G161020

FILTER SPECIFICATIONS	DBA7039	DBA7041	DBA7042
Media Type	Ultra-Web® HD Nanofiber	Ultra-Web® HD Nanofiber	Ultra-Web® HD Nanofiber
Efficiency	99.999% ISO Fine Dust	99.999% ISO Fine Dust	99.999% ISO Fine Dust
Dust Loading			
DCI ISO Coarse Dust - Element	68,000g	55,000g	81,500g
Initial Restriction - System	6" H ₂ O @ 1015 CFM	6" H ₂ O @ 710 CFM	6" H ₂ O @ 1127 CFM

DIMENSIONAL SPECIFICATIONS (WITHOUT GASKETS)

Outer Diameter	352mm	307mm	373mm
Inner Diameter	241mm	196mm	263mm
Length	457mm	406mm	610mm
Pleat Depth	51mm	51mm	51mm

DONALDSON SRG AIR CLEANERS

G200008 G200013

FILTER SPECIFICATIONS	DBA7038	DBA7040
Media Type	Ultra-Web® HD Nanofiber	Ultra-Web® HD Nanofiber
Efficiency	99.999% ISO Fine Dust	99.999% ISO Fine Dust
Dust Loading		
DCI ISO Coarse Dust - Element	117,500g	107,000g
Initial Restriction - System	6" H ₂ O @ 1700 CFM	6" H ₂ O @ 1780 CFM

Outer Diameter	447mm	447mm
Inner Diameter	281mm	310mm
Length	586mm	586mm
Pleat Depth	76mm	64mm

DONALDSON SSG AIR CLEANERS

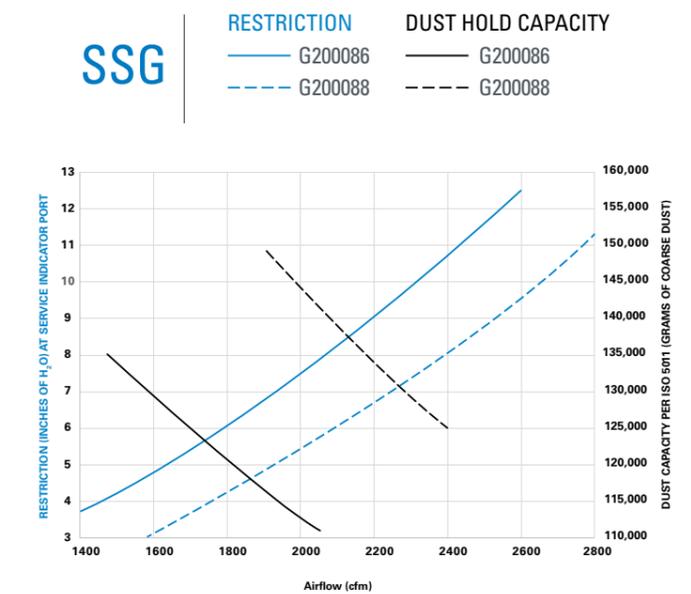
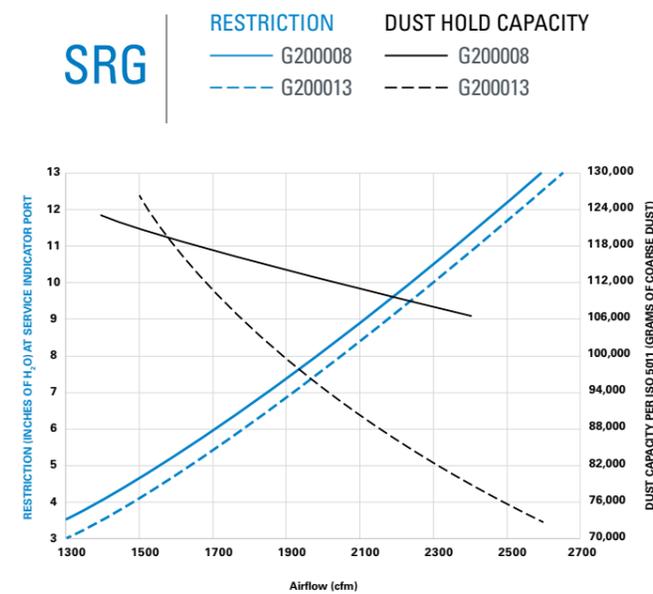
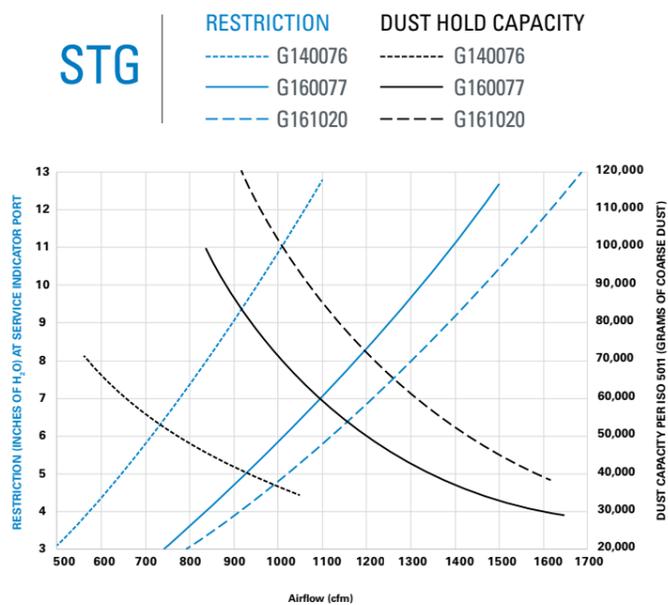
G200086 G200088

FILTER SPECIFICATIONS	DBA7152	DBA7153
Media Type	Ultra-Web® HD Nanofiber	Ultra-Web® HD Nanofiber
Efficiency	99.999% ISO Fine Dust	99.999% ISO Fine Dust
Dust Loading		
DCI ISO Coarse Dust - Element	122,600g	138,350g
Initial Restriction - System	6" H ₂ O @ 1780 CFM	6" H ₂ O @ 2100 CFM

Outer Diameter	451mm	451mm
Inner Diameter	291mm	291mm
Length	611mm	743mm
Pleat Depth	64mm	64mm

AIR CLEANER SYSTEM PERFORMANCE

The restriction numbers (shown in inches of water) indicate the approximate initial restriction of each air filter at that cfm. If there are two air cleaner models that fit your parameters, choosing the one with the lower restriction will provide longer filter service life. Dust capacity curves shown at 25" H₂O.



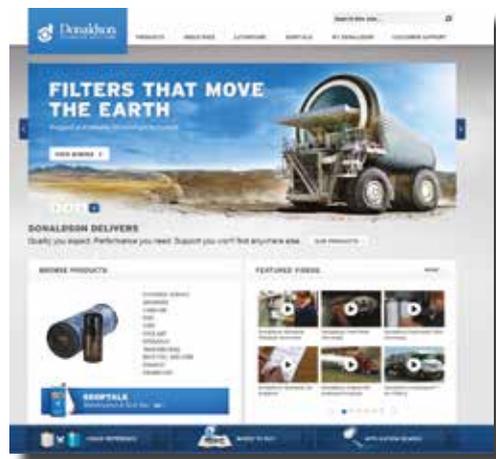
A NEW STANDARD IN CLEAN AIR

SSG, SRG and STG with Ultra-Web® HD

Ultra-Web® HD media is now STANDARD on **Donaldson Blue®** air filters for Donaldson SSG, SRG and STG air cleaners.

DONALDSON BLUE® WITH ULTRA-WEB® HD	REPLACES DONALDSON PART	DONALDSON STANDARD PART	PRIMARY APPLICATION
DBA7038	DBA5038	P181038 / P182038	Donaldson SRG20, SRG29 Air Cleaner
DBA7039	DBA5039	P181039 / P182039	Donaldson STG16 Air Cleaner
DBA7040	DBA5040	P181040 / P182040	Donaldson SRG20, SRG29 Air Cleaner
DBA7041	DBA5041	P181041 / P182041	Donaldson STG14 Air Cleaner
DBA7042	DBA5042	P181042 / P182042	Donaldson STG16 Air Cleaner
DBA7152	DBA5152	P608306	Donaldson SSG20, SSG29 Air Cleaner
DBA7153	DBA5153	P609519	Donaldson SSG20, SSG29 Air Cleaner

FOR MORE PRODUCT INFORMATION



We've made it easier to FIND YOUR FILTER and exhaust, accessories, air cleaners, hydraulic components and more.

Every page includes direct links to our most up-to-date, online Cross Reference, Application Search and distributor locator (Where to Buy). Each of these important tools are ONE CLICK AWAY no matter where you go on the site.

It also includes links to **YouTube Service Training videos**.

Check it out at donaldsonfilters.com!



www.youtube.com/user/donaldsonengine



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