



**Donaldson Blue™ Air Filters**  
**with Ultra-Web® Nanofiber Technology**  
for Off-road Applications

**WE RAISED THE STANDARD  
IN FILTER PERFORMANCE.**

**SAY HELLO TO  
DONALDSON  
BLUE.**

**Donaldson**  
**BLUE™**



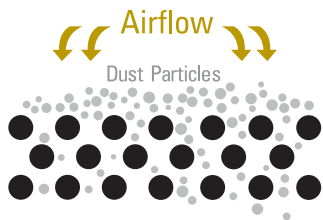
# Donaldson Blue™ filters reduce cost and increase equipment uptime

You'll recognize the ultimate in heavy-duty engine filtration solutions. They're Donaldson Blue™. Made using Donaldson's advanced Ultra-Web® nanofiber technology, they're the best air filter choice to reduce maintenance cost and increase equipment uptime. Donaldson Blue air filters protect engines and help them last longer by providing better initial and overall efficiency compared to conventional cellulose media.

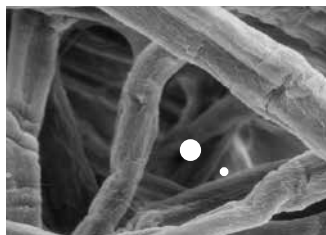
Ultra-Web nanofiber technology causes submicron contaminant to load on the surface of the media, which promotes lower restriction and longer filter life.

## Nanofibers make a BIG difference

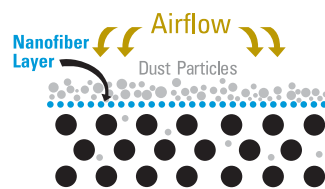
### Conventional Cellulose



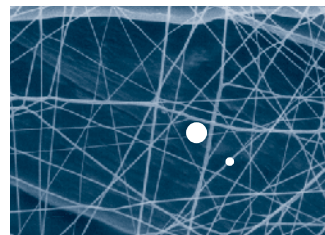
**Cellulose Media**  
Cellulose fibers are larger than Ultra-Web® nanofibers and have larger spaces between the fibers, which causes contaminant to load in the depth of the media and plug the airflow path, resulting in higher restriction and less capacity.



### Donaldson Blue™ Ultra-Web® Nanofiber Technology



**Ultra-Web® Media**  
Ultra-Web nanofibers have submicron diameters and small interfiber spaces, which result in more contaminant being captured on the surface of the media, promoting lower restriction and longer filter life.



**ULTRA-WEB®**  
Nanofiber Filtration by Donaldson

Enlarged Top Views of Media (at the same magnification.)  
White circles represent the diameter of a 2µ and a 5µ particle.



## Proven Nanofiber Performance

Donaldson, the company that invented air filters for heavy-duty diesel engines almost 100 years ago, was also the first to develop nanofiber air filter media. Donaldson introduced Ultra-Web® Technology to industrial applications more than 30 years ago and to the diesel engine market nearly 20 years ago.



# Performance that pays off

## Longer Filter Life

The smaller interfiber spaces of Ultra-Web® nanofiber technology hold more submicron contaminant than conventional filters with cellulose media. The high dust-holding capacity of submicron particles promotes longer filter life.

## Longer Engine Life

In laboratory and field tests, Donaldson Blue™ air filters provided better engine protection by allowing less contaminant to pass through the media than cellulose air filters. Donaldson Blue air filters also reach a 99.97% efficiency quicker than conventional cellulose filters and have an overall efficiency up to 99.99%. Equipment owners using Ultra-Web filters experience improved engine protection and power, plus lower life cycle costs.

## You Can See the Difference!

These dust vials show the actual amount of Arizona fine test dust that passes through the air filter media for every one kilogram of dust fed to the air filter, which is equivalent to 100 hours\* of equipment operation.

Will-fit filters can allow up to 100 times more dirt to pass through the filter into the engine than Donaldson Blue air filters with Ultra-Web filter media.

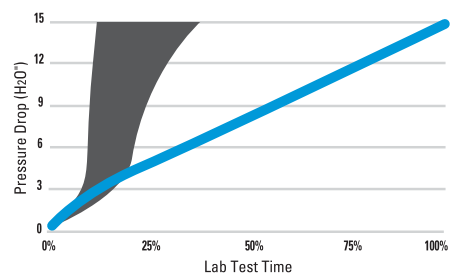
\* Estimate based upon typical medium dust operating conditions with 92% pre-cleaner efficiency. Actual results may vary.

### Higher Contaminant Loading = Longer Filter Life

Capacity (Tested with Submicron Particles)

■ Donaldson Blue™ with Ultra-Web

■ Range of Conventional Cellulose Media

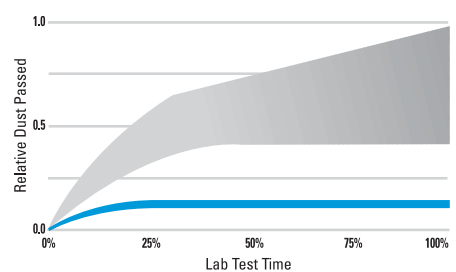


### Higher Efficiency = Better Engine Life

Efficiency (Tested with Submicron Particles)

■ Donaldson Blue with Ultra-Web

■ Range of Conventional Cellulose Media



**Up to 99.99%**  
Filtration Efficiency

0.1 gram dust

**99.9%**

Filtration Efficiency

1 gram dust

**99.0%**

Filtration Efficiency

10 grams dust



## Cross Reference/Primary Application

Donaldson Standard	Donaldson Blue™	Fleetguard	Baldwin	Luber-finer	Wix	Primary Application
P119135	<b>DBA5215</b> (EAF5215)	AF940K	PA2541FN	LAF1722	46606	Massey Ferguson Equipment
P124867	<b>DBA5136</b> (EAF5136)	AF4553M	PA2573 / PA2573XP	LAF1845	42235	Donaldson FVG16 Air Cleaner
P126318	<b>DBA5203</b> (EAF5203)	AF939	PA2509	LAF1882	42495	Allis-Chalmers Equipment
P127075	<b>DBA5202</b> (EAF5202)	AF1917M	PA2421	LAF1846	42471	John Deere Equipment
P127308	<b>DBA5128</b> (EAF5128)	AF1921M	PA2902	LAF8634	46854	FTG15 Air Cleaner
P131404	<b>DBA5164</b> (EAF5164)	AF413	PA1706 / PA1706XP	LAF3535A	42130	Off-Highway Applications
P134353	<b>DBA5137</b> (EAF5137)	AF1862M	PA2577	LAF1834	46544	Clark Equipment
P136254	<b>DBA5212</b> (EAF5212)	AF1659	PA1926	LAF8550	42917	John Deere Equipment
P181002 / P182002	<b>DBA5002</b> (EAF5002)	AF472 / AF472M	PA1846 / LL1846 / PA1846XP	LAF6632 / LAF6632MXM	42422	Donaldson FHG16 Air Cleaner
P181034 / P182034	<b>DBA5034</b> (EAF5034)	AF418 / AF418M	PA1884 / LL1884 / PA1884XP	LAF6587 / LAF6587MXM	42119	Donaldson FHG12 Air Cleaner
P181038 / P182038	<b>DBA5038</b> (EAF5038)	AF879 / AF879M	PA2363 / LL2363 / PA2363XP	LAF5069 / LAF5069MXM	42440	Donaldson SRG20, SRG29 Air Cleaner
P181039 / P182039	<b>DBA5039</b> (EAF5039)	AF851M	PA1894 / LL1894 / PA1894XP	LAF9155 / LAF9155MXM	42128	Donaldson STG16 Air Cleaner
P181040 / P182040	<b>DBA5040</b> (EAF5040)	AF899 / AF899M	PA2453 / LL2453 / PA2453XP	LAF1818 / LAF1818MXM	42238	Donaldson SRG20, SRG29 Air Cleaner
P181041 / P182041	<b>DBA5041</b> (EAF5041)	AF421M	PA1886 / LL1886 / PA1886XP	LAF9086 / LAF9086MXM	42225	Donaldson STG14 Air Cleaner
P181042 / P182042	<b>DBA5042</b> (EAF5042)	AF1605M	PA2562 / LL2562 / PA2562XP	LAF8407 / LAF8407MXM	42258	Donaldson STG16 Air Cleaner
P181043 / P182043	<b>DBA5043</b> (EAF5043)	AF1828	PA2518 / LL2518 / PA2518XP	LAF1810	42493	Donaldson FVG14 Air Cleaner
P181045 / P182045	<b>DBA5204</b> (EAF5204)	AF350K	PA1636FN / LL1636FN	LAF234HD	42234	FWA10 or FWG10 Air Cleaner
P181046/P182046	<b>DBA5046</b> (EAF5046)	AF424 / AF424M	PA1885 / LL1885 / PA1885XP	LAF6769 / LAF6769MXM	42208	Donaldson FHG14 Air Cleaner
P181049/P182049	<b>DBA5049</b> (EAF5049)	AF891 / AF891M	PA2456 / LL2456 / PA2456XP	LAF6453 / LAF6453MXM	42546	Donaldson FVG16 Air Cleaner
P181052/P182052	<b>DBA5134</b> (EAF5134)	AF437K / AF437KM	PA1667FN / LL1667FN	LAF222	42222	Donaldson FWA06 or FWG06 Air Cleaner
P181054/P182054	<b>DBA5054</b> (EAF5054)	AF409K / AF409KM	PA1681FN / LL1681FN	LAF1246	42126	Donaldson FWA08 or FWG08 Air Cleaner
P181057	<b>DBA5057</b> (EAF5057)	AF888M	PA2326 / LL2326 / PA2326XP	LAF6127	42691	Donaldson FWD16 or FVG16 Air Cleaner
P181059 / P182059	<b>DBA5059</b> (EAF5059)	AF1733K / AF1733KM	PA2418FN / LL2418FN	LAF1544	42321	Donaldson FHG08 Air Cleaner
P181063 / P182063	<b>DBA5234</b> (EAF5234)	AF1735K	PA2426FN / LL2426FN	LAF9001	42522	Donaldson FHG09 Air Cleaner
P181064 / P182064	<b>DBA5233</b> (EAF5233)	AF434KM	PA1902FN / LL1902FN	LAF8668	42919	Donaldson FHG10 Air Cleaner
P181070 / P182070	<b>DBA5126</b> (EAF5126)	AF1934M	PA2688 / LL2688	LAF1813	46722	Donaldson FTG11 Air Cleaner
P181082 / P182082	<b>DBA5127</b> (EAF5127)	AF975M	PA2582 / LL2582	LAF1787	42216	Donaldson FTG13 Air Cleaner
P181103	<b>DBA5163</b> (EAF5163)	AF344M	PA1615 / LL1615 / PA1615XP	LAF47	42047	Caterpillar Equipment

## Cross Reference/Primary Application

Donaldson Standard	Donaldson Blue™	Fleetguard	Baldwin	Luber-finer	Wix	Primary Application
P181120	<b>DBA5165</b> (EAF5165)	AF873M	PA2384 / LL2384 / PA2384XP	LAF8483 / LAF8483MXM	42680	Caterpillar Equipment
P181163	<b>DBA5211</b> (EAF5211)	AF4736	PA2666	LAF1163	42917	John Deere Equipment
P522449	<b>DBA5213</b> (EAF5213)	AF4743K	PA2846FN	LAF1907	46389	Komatsu Equipment
P532473	<b>DBA5218</b> (EAF5218)	AF25131M	RS3508 / RS3508XP	LAF4273 / LAF4273MXM	46476	Caterpillar Equipment
P532501	<b>DBA5217</b> (EAF5217)	AF25125M	RS3504 / RS3504XP	LAF4501 / LAF4501MXM	46479	Caterpillar Equipment
P532503	<b>DBA5220</b> (EAF5220)	AF25129M	RS3506 / RS3506XP	LAF4503 / LAF4503MXM	46607	Donaldson FRG13 Air Cleaner
P532505	<b>DBA5216</b> (EAF5216)	AF25135M	RS3510 / RS3510XP	LAF4505 / LAF4505MXM	46593	Caterpillar Equipment
P532509	<b>DBA5232</b> (EAF5232)	AF25137M	RS3514 / RS3514XP	LAF4509	46742	Caterpillar Equipment
P533882	<b>DBA5219</b> (EAF5219)	AF25262	RS3700 / RS3700XP	LAF5022	46746	Caterpillar Equipment
P536457	<b>DBA5230</b> (EAF5230)	AF25589	RS3736	LAF8145 / LAF8145MXM	46701	Donaldson FRG11 Air Cleaner
P537778	<b>DBA5210</b> (EAF5210)	AF25460M	RS3718	LAF8110	46784	Case Equipment
P537876	<b>DBA5221</b> (EAF5221)	AF25437	RS3744 / RS3744XP	LAF8669	42803	Case Equipment
P548900	<b>DBA5208</b> (EAF5208)	AF25595	RS3926	LAF8769	46811	Case Equipment
P549523	<b>DBA5229</b> (EAF5229)	—	—	—	49523	Donaldson FRG16 Air Cleaner
P601280	<b>DBA5224</b> (EAF5224)	—	RS5478FN	—	49280	Donaldson FRG09 Air Cleaner
P601437	<b>DBA5223</b> (EAF5223)	—	RS5395FN	—	49437	Donaldson FRG08 Air Cleaner
P601767	<b>DBA5231</b> (EAF5231)	—	RS5442	LAF4140	49767	Donaldson FRG12 Air Cleaner
P601790	<b>DBA5222</b> (EAF5222)	—	—	—	49690	Donaldson FRG10 Air Cleaner
P777868	<b>DBA5116</b> (EAF5116)	AF25454	RS3870	LAF8150	46770	Terex Equipment
P780522	<b>DBA5226</b> (EAF5226)	AF25957	RS3971	LAF9547	42330	Donaldson FPG09 Air Cleaner
P781039	<b>DBA5228</b> (EAF5228)	AF25964	RS3734 / RS3734XP	LAF8149	46761	Donaldson FPG10/FRG10 Air Cleaner
P781098	<b>DBA5156</b> (EAF5156)	AF26207	RS4989	LAF5568	42847	Donaldson FRG18 Air Cleaner
P781398	<b>DBA5129</b> (EAF5129)	AF25830	RS4579	LAF5973	42312	Volvo Equipment
P782106	<b>DBA5207</b> (EAF5207)	AF26401	RS3998 / RS3998XP	LAF6998	49811	Atlas Copco Equipment
P814723	<b>DBA5214</b> (EAF5214)	AF4758KM	PA3785FN	LAF8225	46368	Komatsu Equipment
P827653	<b>DBA5225</b> (EAF5225)	AF25555	RS3542	LAF7653	46671	Donaldson FPG07 Air Cleaner
P828889	<b>DBA5227</b> (EAF5227)	AF25557	RS3544	LAF4544 / LAF4544MXM	46562	Donaldson FPG08 Air Cleaner

For more information on the full line of Donaldson filtration products and accessories, visit [crossreference.donaldson.com](http://crossreference.donaldson.com).

Visit [donaldsonfilters.com](http://donaldsonfilters.com) for even more product info



We've made it easier to FIND YOUR FILTER! . . . and exhaust, accessories, air cleaners, hydraulic components and . . . much, much 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 in the site!
- Includes links to **YouTube Service Training videos**.
- PLUS, the website works on your smart phone . . . which we can all agree is a very smart idea!

Check it out at [donaldsonfilters.com](http://donaldsonfilters.com)!

YouTube™



[www.youtube.com/user/donaldsonengine](http://www.youtube.com/user/donaldsonengine)



Donaldson Company, Inc.  
Minneapolis, MN

[donaldsonfilters.com](http://donaldsonfilters.com)  
[donaldson.com](http://donaldson.com)

North America 800-374-1374  
Mexico 52-449-910-6150  
Latin Am. & Caribbean 52-449-910-6150  
Brazil 55-11-2119-1604  
Europe 32-16-38-3811  
South Africa 27-11-997-6000

South East Asia 65-6311-7373  
Greater China 852-2405-8388  
Japan 81-42-540-4112  
Korea 82-2-517-3333  
Australia 61-02-4350-2033  
India 91-124-4807-400

Brochure No. F111411 ENG (1/15)  
© 2015 Donaldson Company, Inc. All rights reserved.  
Donaldson Company, Inc. reserves the right to change or discontinue any model or specification at any time and without notice. Printed in the U.S.A.

