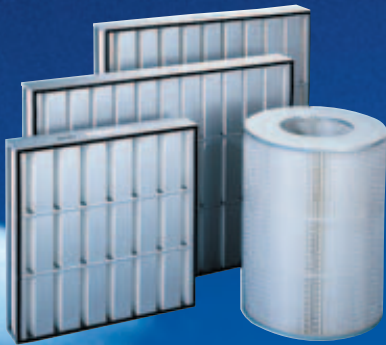




**Donaldson BIOAdvantage™
Aircraft Cabin Air HEPA Filter
With Antimicrobial Product Protection**



**Technology Advancement
in Aircraft Filtration**

Safety. These days every improvement counts. That's why Donaldson Company made today's best cabin air recirculation filters even better by adding MICROBAN® antimicrobial product protection.

Donaldson BIOAdvantage™ is a superior product engineered specifically for the airline industry. It is completely interchangeable with current Donaldson HEPA filters. BIOAdvantage filters combine the qualities of high efficiency HEPA filtration (99.97% at 0.3µm) with the antimicrobial activity of MICROBAN technology to create an enhanced particulate barrier.

How does the antimicrobial additive attack microorganisms?

- BIOAdvantage filter media traps microorganisms
- The MICROBAN technology penetrates the cell wall and disrupts the cell's ability to function
- Effective against a broad spectrum of microorganisms

Laboratory Test Results

- 99.99996% biofiltration removal of Staphylococcus aureus bacteria.
- Bacterial and fungal growth inhibited on the BIOAdvantage antimicrobial filter media, per the American Association of Textile Chemists and Colorists (AATCC) test methods 147 and 30.



Donaldson®

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Today's Best Filters Made Better

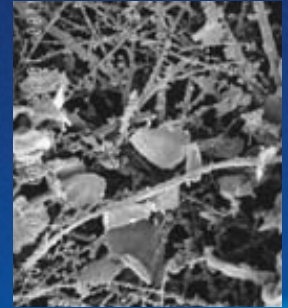
- Meet or exceed stringent airline and OEM life/efficiency requirements
- Meet or exceed FAR requirements
- HEPA 99.97% efficient on 0.3µm at rated flow (*more efficient* on both larger and smaller particles).
- BIOAdvantage filters are completely interchangeable with current Donaldson HEPA filters. No retrofit required.
- Recommended service interval is one C-Check for most operators.
- Continuous product protection. The antimicrobial additive will not wash off, flake off, wear off or be used up.
- Will not off-gas
- Environmentally friendly

MICROBAN® Antimicrobial Product Protection

- Microban Products Company is a leading provider of custom antimicrobial solutions that safely deliver effective antimicrobial product protection.
- The BIOAdvantage filtration system with MICROBAN protection has EPA registration for all active ingredients and end use applications.



MICROBAN and the MICROBAN symbol are registered trademarks of the Microban Products Company, Huntersville, NC.



BIOAdvantage filter media, magnified

Aircraft Applicability	Donaldson HEPA Part Numbers	Donaldson BIOAdvantage Part Numbers
B737, B757	P196555, P199753	P513555, P513753
B747-400	P199747	P513747
B767-200	P199762	P513762
B767-300	P199763	P513763
B747-100/200/300, DC-10, MD-11, MD-80, MD-90	P199000	P513000
A319, A320, A321	P199320	P513320
B777	P199777	P513777

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