



Donaldson
FILTRATION SOLUTIONS
AEROSPACE & DEFENSE

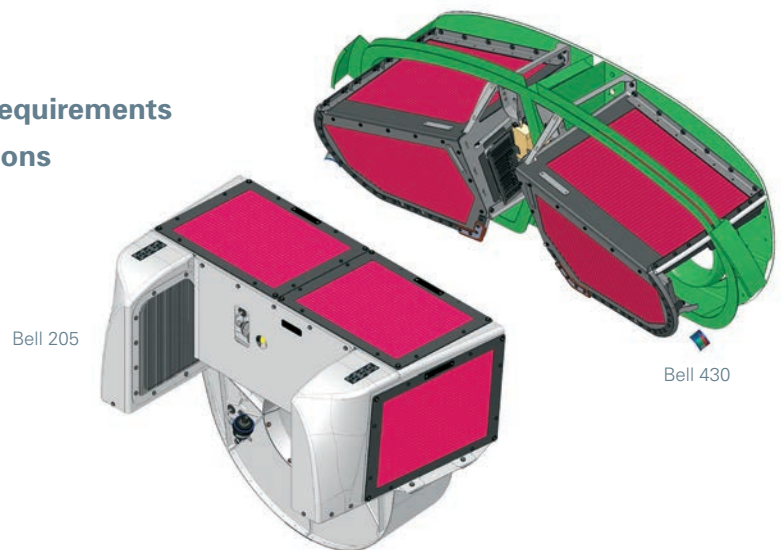
ROTORCRAFT INLET BARRIER FILTER SYSTEMS for BELL 205A1, UH-1H, HUEY II, EAGLE SINGLE, BELL 429, 430/230, and BELL 525 HELICOPTERS



INSTALL BEFORE FLIGHT

Helicopters routinely contend with dust, sand and debris that attack turbine engines and impact engine reliability, hampering efficient engine operation. Installing an Inlet Barrier Filter (IBF) system is the most effective way to protect engines from damage ranging from lost efficiency to catastrophic failure while adding significant advantages.

- Meet established engine time between overhaul requirements
- More power available than alternate filtration options
- Longer engine life due to elimination of erosion
- Reduced engine maintenance cost
- Bell 429 available factory-direct



PERFORMANCE AT-A-GLANCE

Features	Bell 205A1, UH-1H, Huey II, Eagle Single Part number 111001-103	Bell 429 Part number 116020-103/104	Bell 430/230 Part number 118000-101/103	Bell 525 Part number 140001-101/102 Part number 140003-101 (APU)
Design Features	Four rugged, lightweight, flat filters for fast filter exchange; self-contained structural assembly is mounted aft of the main rotor mast and integrated into the existing inlet plenum; new forward firewall interface; improved engine drive shaft and coupling access; minimal aircraft modifications; includes improved engine wash manifold	Conformal filters that blend into the aircraft's smooth lines with an integral bypass system. Installed as standard configuration on the production line	Dual, rugged, lightweight, flat filter design; self-contained and structurally integrated into the existing inlet cowlings utilizing existing mounting provisions and creating an internal bypass plenum; minimal aircraft modifications	Conformal filters that blend into the aircraft's smooth lines with an integral bypass system. Installed as standard configuration on the production line
Filter Life (Service Cycles)	4,500 hours (15 cycles every 300 hours)	6,000 hours (15 cycles every 400 hours)	4,500 hours (15 cycles every 300 hours)	6,000 hours (15 cycles every 400 hours)
Emergency Bypass	Unique dual access bypass system with vertical doors to protect against dirt & snow; no flight restrictions with bypass open	Inboard-facing flush bypass door protects against dirt & snow; no flight restrictions with bypass open	Internal inlet plenum bypass doors protect against dirt & snow; no flight restrictions with bypass open	Inboard-facing flush bypass door protects against dirt & snow; no flight restrictions with bypass open
Components	Easily accessible and common to other models; includes a cockpit annunciation and activation switch along with a filter maintenance aid for on-condition monitoring while the aircraft is on the ground. Environmental Cover for all weather non-operating protection included	Easily accessible bypass components, integral cockpit indication system with standard avionics package	Easily accessible and common to other models; includes a cockpit annunciation and activation switch along with a filter maintenance aid for on-condition monitoring while aircraft is on the ground	Easily accessible bypass components, integral cockpit indication system with standard avionics package. Filter Maintenance Aid for on-condition assessment of Auxiliary Power Unit filter status while aircraft is on the ground
Performance	Certified for use with basic inlet performance charts or other approved STC Flight Manual charts	In accordance with Bell flight manuals	Certified for use with basic inlet charts, backup EAPS charts	In accordance with Bell flight manuals
Certificates (call for latest updates)	United States, Canada, Brazil	Bell Type Certificate, United States, Canada, Europe, Brazil	United States, Brazil	Bell seeking TC from FAA

For more information, contact:

Donaldson Company, Inc., Aerospace & Defense Group
17891 Chesterfield Airport Road, Chesterfield, MO 63005

North America +1-877-314-9640
aerospace.americas@donaldson.com

Europe +33 1 30866698
aerospace.emea@donaldson.com

To learn more about the
Donaldson Company, Inc., Aerospace & Defense Group
visit www.DonaldsonRotorcraft.com

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