



Donaldson
FILTRATION SOLUTIONS
AEROSPACE & DEFENSE

**ROTORCRAFT INLET BARRIER FILTER
SYSTEMS for MD HELICOPTERS
MD 500 and MD 900/902**



Maintaining healthy engines is a must for operators of hard-working MD 500 and MD 900 Series helicopters. Certified Inlet Barrier Filter (IBF) systems from Donaldson eliminate 99% of FOD, dirt, and other threats to your healthy engine, maximizing readiness and cost-effective operations.

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.

- More power available than alternate filtration solutions
- Reduced engine turbine operating temperatures over alternate systems
- Reduced engine maintenance over alternate systems
- Longer engine life due to elimination of erosion
- Meeting established engine time between overhaul requirements



MD 500 flow diagram, above, and MD 900 filter below

PERFORMANCE AT-A-GLANCE

| Features | MD 500 Series 369H/HE/HM/HS/D/E/F, AH/MH-6 Part number 102200-101 | MD 900/902 Series Part number 114001-101 |
|--|---|--|
| Design Features | Flat filter, dual entry inlet; utilizes new cowling with integrated wash tube | 2 conformal filters; utilize existing bypass system |
| Filter Life (Service Cycles) | 7,500 hours (15 cycles every 500 hours) | 4,500 hours (15 cycles every 300 hours) |
| Emergency Bypass | Inboard-facing flush bypass door protects against dirt & snow; no flight restrictions with bypass open | Utilizes existing MD 900 production aircraft bypass system |
| 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 aircraft is on the ground | Cockpit annunciation and activation switch is standard MD 900 production aircraft equipment. IBF messaging is through the IIDS display |
| Performance | Certified with Rotorcraft Flight Manual charts for Particle Separator Installed, Scavenge Air Off, Without Mist Eliminator | Certified for use with Inlet Particle Separator charts |
| Certificates (call for latest updates) | United States; Argentina; Brazil; Canada; Europe | United States; Europe |

