



**ROTORCRAFT INLET BARRIER FILTER SYSTEMS for FINMECCANICA AW109E/AW109S/AW109SP, AW119 KOALA, and AW119KE 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 systems
- Longer engine life due to elimination of erosion
- Reduced engine maintenance cost
- Available factory-direct



## PERFORMANCE AT-A-GLANCE

Features	AW109E/AW109S/AW109SP Part number 124000-101	AW119, AW119Ke Part number 119000-101, 119000-105
<b>Design features</b>	Two conformal filters mounted in the existing engine cowl doors, two bypass filters, no increased drag penalty, internally mounted bypass system with easy access aft cover	Three conformal filters, no increased drag penalty, self-contained and structurally integrated system into the existing manufacturer's inlet plenum for simple installation
<b>Filter Life (Service Cycles)</b>	4,500 hours (15 cycles every 300 hours)	4,500 hours (15 cycles every 300 hours)
<b>Emergency Bypass</b>	Internally mounted inside the upper sail to protect from environmental conditions	Aft-facing bypass door to protect against dirt & snow; no flight restrictions with bypass open
<b>Components</b>	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. Environmental Cover for all weather non-operating protection included.	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. Environmental Cover for all weather non-operating protection included.
<b>Performance</b>	US certified for use with basic inlet charts, Category A operations approved	US certified for use with basic inlet charts, European certified for use with EAPS charts
<b>Certificates (Call for latest updates)</b>	United States, Brazil, Mexico, Argentina (109E only), India, and Japan (109E and 109SP only)	United States, Canada, Brazil, Europe, Indonesia, Mexico, Russia, and Argentina (A119 only)

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