

AgustaWestland A119 Koala

Inlet Barrier Filtration System



MORE OF WHAT YOU WANT,
(protection, margin, power)

LESS OF WHAT YOU DON'T.
(maintenance, erosion, cost)

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A proven system

Aerospace Filtration Systems (AFS) introduces a unique Inlet Barrier Filter (IBF) system for the AgustaWestland A119 Koala. Using technology fielded and proven on commercial and military helicopters, the AFS A119 IBF features an innovative, lightweight and simple to install option versus the significantly less capable Engine Air Particle Separator (EAPS) or FOD Screen. The IBF system literally slips into the current engine inlet fairing location with minor aircraft modification. The AFS IBF system provides dust, sand, and dirt separation efficiencies exceeding 99% to ensure your engine has the maximum protection possible. At the same time, the IBF improves air flow versus the EAPS, meaning more power and reduced operating temps, all with no flight restrictions.

Key benefits

- ⊙ Proven technology with over 1,000,000 flight hours
- ⊙ Up to 20 degrees MGT reduction (EAPS removed)
- ⊙ Lowest life cycle costs over alternate systems
- ⊙ Maximum engine protection, improved performance
- ⊙ Improved engine inlet plenum access
- ⊙ Reduced engine maintenance/costs
- ⊙ Filter maintenance aid (FMA) for on-condition assessment
- ⊙ Non-intrusive cockpit installation with minimal modifications
- ⊙ Common components with other AFS certified systems
- ⊙ Long lasting, flat filter assembly for easy cleaning
- ⊙ Environmental cover included in kit
- ⊙ Certified in U.S. (Canada, EU, Brazil, Argentina pending – check with AFS for updates)

QUICK SPECS

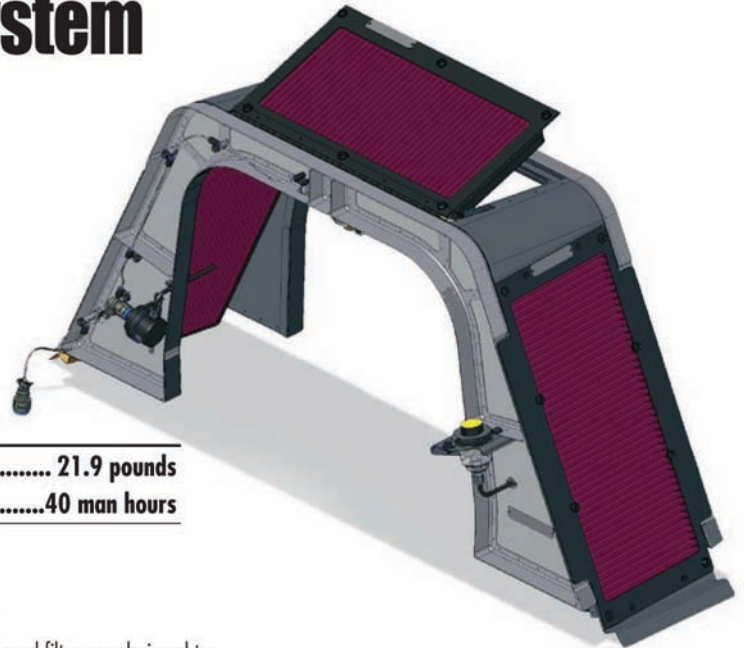
IBF Kit Weight 21.9 pounds
Installation Time 40 man hours

Long-life filter

The three lightweight conformal filters are designed to perform with ultimate efficiency in all flight regimes. With a 4,500-hour life, the significant amount of filter area allows cleaning service cycles as long as 300 hours (service life is a function of the operating environment). A self-contained bypass system is provided with a cockpit annunciation and activation switch along with a filter maintenance aid for on-condition monitoring.

Engineering-driven design

The assembly is self-contained and structurally integrated into the existing manufacturer's inlet plenum provisions. Original mount provisions for the FOD screen are used to support the IBF including its self-contained bypass system. An aft-facing bypass door ensures that dirt and snow do not enter the inlet. Flat filter assemblies make servicing a



snap, and the filters can be removed and replaced in 15 minutes. This IBF system is available as a factory direct option on the AgustaWestland A119 Koala.

Return on investment

Operators can attain the ROI for a barrier filter system within one engine overhaul cycle, even in a relatively clean environment.

Install before flight

Direct from OEMs, from AFS, or through our dedicated distributors, we make it easier than ever to order an AFS filtration system and install before flight.

Distributed by

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