

## AW119 Koala Helicopter

### *PUREair* System

### The Ultimate in Engine Protection

The AW119 helicopter is used in a variety of roles including executive transport, police, Emergency Medical Services (EMS), and military applications. These demanding operations can mean anxious minutes spent hovering close to the ground, as well as frequent landings on unprepared surfaces.

These helicopters must be ready 24/7 for rapid deployment to any location. Their missions cannot be delayed or restricted by operational challenges like a blocked filter; they require a reliable, maintenance-free engine protection system.

The *PUREair* system is the perfect solution for such challenging operations.

It provides the highest level of engine protection which results in:

- Reduced maintenance & operational costs
- Increased operational availability & reduced downtime
- Increased engine reliability
- Safer operation (protection against FOD, ice, snow and sand)
- Protection against engine erosion



*PUREair* system for the AW119 Koala helicopter



# *PUREair*

FEATURING  TECHNOLOGY  
Aerospace

## Product Details

Pall P/N: QB0688

Agusta P/N: 109-0840-05-101

Scavenge System: Ejector

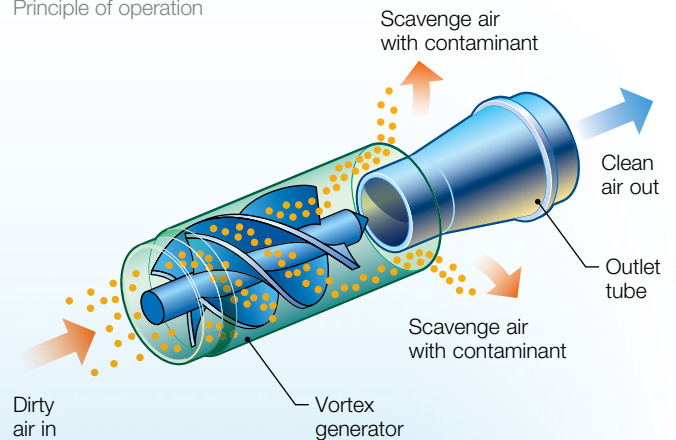
Certified for inadvertent entry into icing conditions.

**No bypass door required.**

Approval: FAR 27 certification to RTCA-DO160C

### *PUREair* Vortex Tube

Principle of operation



## The *PUREair* system benefits:

### Self Cleaning System

No barrier filters to clean /replace

### Constant Removal Efficiency

Non-bypass system. No degradation in filtration performance

### No Filter Blockage

*PUREair* pressure drop does not increase with use - no risk of in-flight filter blockage

### Increased Engine MTBUR

Improved protection from engine erosion

### Increased Flight Safety

Excellent protection against FOD (Foreign Object Damage)

### All Weather Protection

Excellent protection in Ice, Snow, Heavy Rain, and Salt Spray Conditions. Certified for flight in "known icing conditions"

Pall *PUREair* systems have been protecting helicopter engines since the 1960's. More than fifty different designs have been certified and operate worldwide. They are used on a variety of rotorcraft including AgustaWestland, Bell, Boeing, Denel, Enstrom, Airbus Helicopters, Kaman, MIL and Sikorsky.



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