

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



Product Details

Pall P/N: QB0688

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

Scavenge System: Ejector

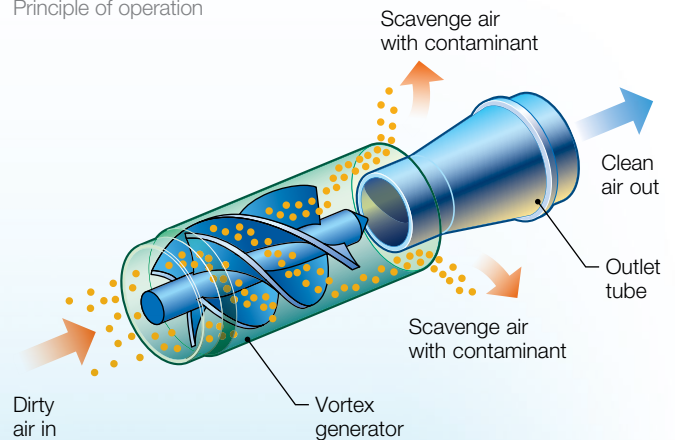
Certified for inadvertent entry into icing conditions.

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.



Pall Corporation

Pall Aerospace

10540 Ridge Road
New Port Richey, FL 34654
+1 727 849 9999 telephone
+1 800 933 3111 toll free US

Portsmouth - UK
+44 (0)23 9233 8000 telephone
PUREair@pall.com

Visit us on the Web at www.pall.com/PUREair

Pall Corporation has offices and plants throughout the world. For Pall representatives in your area, please go to www.pall.com/contact

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