

Sea King, SH-3, S-61 Helicopter

PUREair System

The Ultimate in Engine Protection

The Sea King's Search and Rescue means anxious minutes hovering close to the sea or ground while the engine air intakes are battered by salt spray, sand, dust and debris.

Salt accumulates on the rotating parts, reducing the engine power available which can sometimes lead to an aborted mission.

Foreign Object Damage (FOD), Icing, Snow and Hot Gas Ingestion (HGI) can also be a lethal threat to these rescue helicopters.

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 Sea King, SH-3, S-61 helicopter

Product Details

Pall P/N: QB0124-05 (Sea King); QB0631-05 (S61)

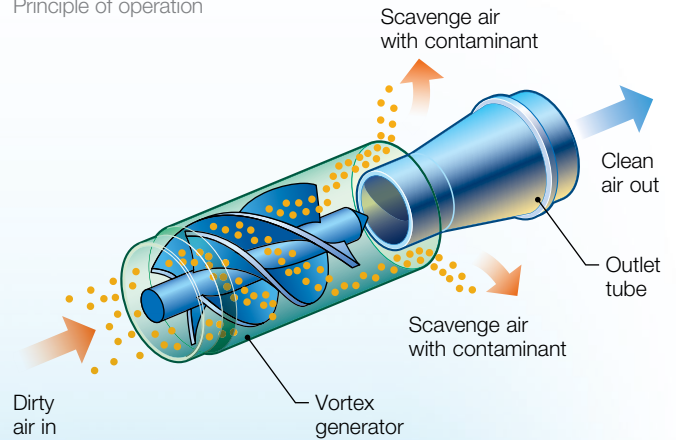
Scavenge System: Fan Scavenge (2 per helicopter)

Approval: AgustaWestlands Mod No.7099

Certified as an all-weather, permanent fit system.

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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