

SA342 Gazelle Helicopter

PUREair System

The Ultimate in Engine Protection

A certified upgrade is now available to replace the 30 year old *PUREair* design. The new, improved unit provides a dramatic increase in dust separation efficiency and hence significantly reduces increases the MTBUR for engine erosion.

The performance enhancements were achieved without any detrimental effect in terms of weight or power penalty compared to the previous equipment.

In-service experience has demonstrated the superior performance of the *PUREair* over other filtration devices that demand regular maintenance and cleaning.

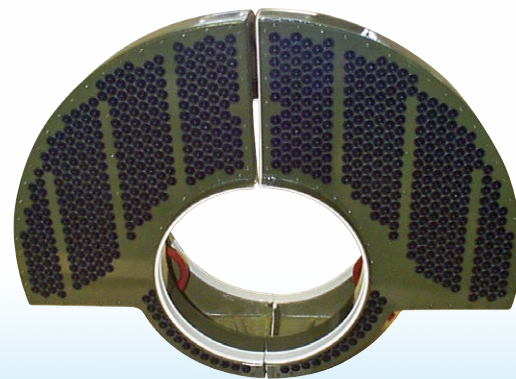
The *PUREair* system is the perfect solution for such challenging operations.

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 SA342 Gazelle helicopter



Product Details

Pall P/N: QB0491

Scavenge System: Ejector scavenge

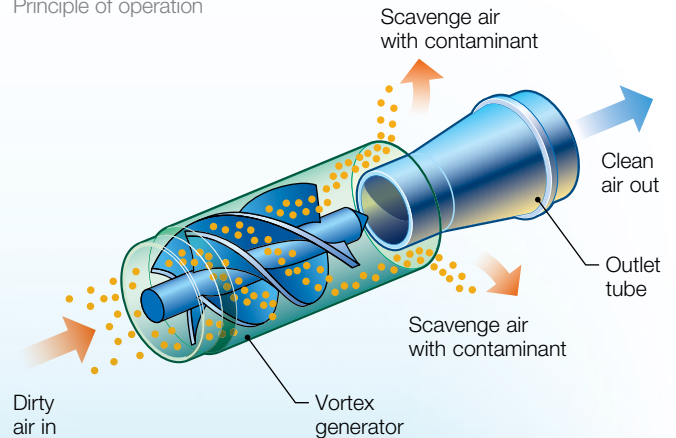
Approval: Pending Eurocopter SB

Certified for inadvertent entry into icing conditions.

No bypass door required.

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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