

## EC135/EC635 Helicopter

### *PUREair* System

### The Ultimate in Engine Protection

The EC135 is the helicopter of choice for the police and Emergency Medical Services (EMS). Their demanding missions mean frequent landings on unprepared grounds (can be up to twenty times a day!) In such conditions, engines can suffer from early erosion damage.

EMS Helicopters have to be ready 24/7 for rapid dispatch to any location. Their mission cannot be delayed or restricted by a blocked filter so they require a 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 EC135/EC635 helicopter



# *PUREair*

FEATURING  TECHNOLOGY  
Aerospace

## Product Details

**Pall P/N: QB0594-02 (Civil); QB0594-01 (Military)**

Product available as a factory option for new build helicopters.

Scavenge System: Fan Scavenge (2 per helicopter).

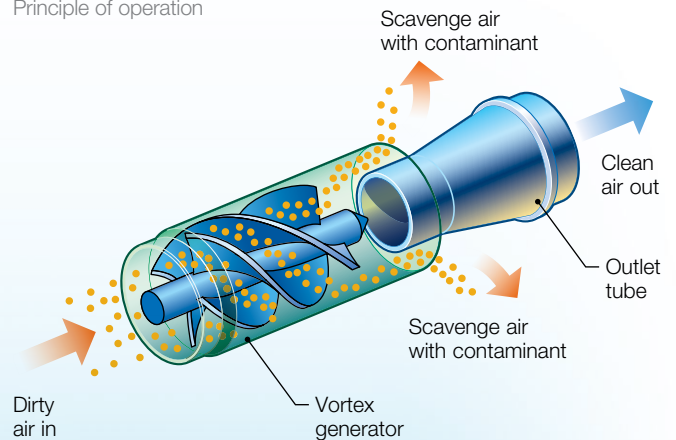
Certified for inadvertent entry into icing conditions.

**No bypass door required.**

Approval: Eurocopter SB EC135-71-028.

### *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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