

## Bell 205 / UH-1 Helicopter

### *PUREair* System

### The Ultimate in Engine Protection

Pall Aerospace designs and manufactures a comprehensive range of filtration products to protect your helicopter engine air intake as well as the transmission and other fluid systems.

By removing airborne contamination, the *PUREair* Air Cleaner enhances helicopter reliability, availability, safety and performance.

When using this virtually maintenance free system, the available engine power is not negatively impacted and remains constant throughout the engine's entire in-service life.

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 Bell 205 / UH-1 helicopter



# *PUREair*

FEATURING  TECHNOLOGY  
Aerospace

## Product Details

Pall P/N: **AEA170-5 (commercial)**  
**CE00553-1 (military)**

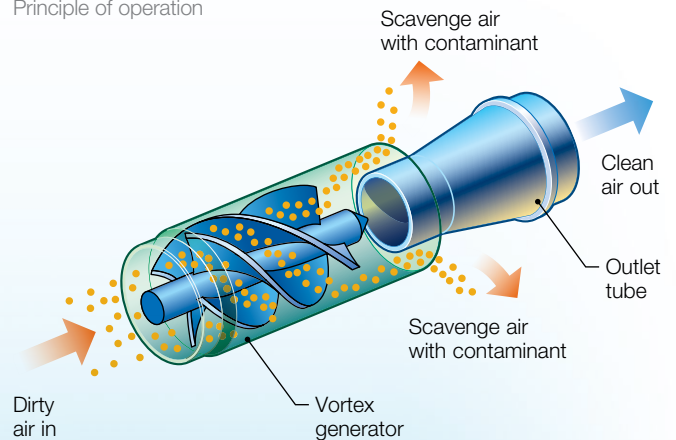
Product available as a factory option for new build helicopters.

Scavenge System: Ejector Scavenge.

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.



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