

## Mi38 Helicopter

### *PUREair* System

### The Ultimate in Engine Protection

The Mi38 helicopter is the latest multi-purpose helicopter from Russian Helicopters. It can be used in a variety of roles, including passenger and VIP transport, fire-fighting and search and rescue. These missions can mean frequent landings on unprepared landing zones away from the main base. The helicopter should be available for all weather, around the clock operation.

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 Mi38 helicopter (prototype unit).



# *PUREair*

FEATURING  TECHNOLOGY  
Aerospace

## Product Details

Mi38	Pall P/N
Port (Left hand)	<b>QB0953</b>
Starboard (Right hand)	<b>QB0954</b>

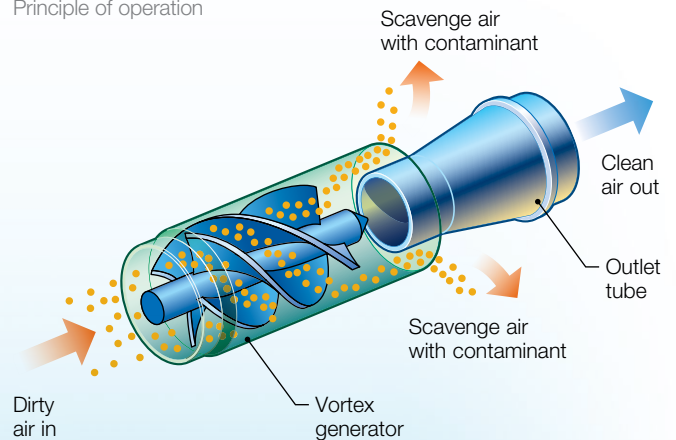
Scavenge System: Fan Scavenge.

No extra limitations for operations in winter 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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