

EC135/EC635 Helicopter Centrisep® Engine Advanced Protection System (EAPS)

Fit and Forget 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 **fit and forget** Centrisep EAPS is the perfect solution for such challenging operations. It shields the engine inlet from airborne contamination which results in:

- Safer operation (Protection against FOD, Ice, Snow, Rain)
- Reduced pilot workload
- Increased operational availability
- Dramatic increase in engine erosion life.



Product Details

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

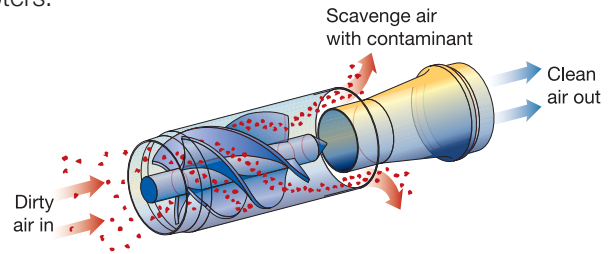
Product available as a factory option for new build helicopters.

Scavenge System: Fan Scavenge (2 per helicopter).

Certified for inadvertent entry into icing conditions.

No bypass door required.

Approval: Eurocopter SB EC135-71-028.



The Pall Centrisep EAPS offers the following benefits:

Fit and Forget

Self-cleaning system which provides continuous protection. It does not require regular removal for maintenance and cleaning.

Hot Gas Ingestion (HGI)

Reduces the effect of HGI by mixing the air flows from the hot gas and ambient air.

Increased Flight Safety

Excellent protection against FOD (Foreign Object Damage).



CENTRISEP®
EAPS

No Filter Blockage

Pressure drop across the Pall Centrisep EAPS does not increase with use and hence there is no risk of in-flight blockage.

Increased MTBUR

Very effective at removing particulate contamination. Less dirt into the engine means reduced erosion damage.

All Weather Protection

Excellent protection in Ice, Snow and Heavy Rain Conditions.



The Pall EAPS solution is also an environmentally friendly alternative to oil wetted barrier filters. There is no filter replacement and no daily cleaning as with oil based solutions which are difficult and expensive to dispose of.

Pall Centrisep EAPS units 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 Agusta/Westland, Bell, Boeing, Denel, Enstrom, Eurocopter, Kaman, MIL and Sikorsky.



Sea King S-61



B427



EC135



AS350/EC130



AW139



CH-47



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