

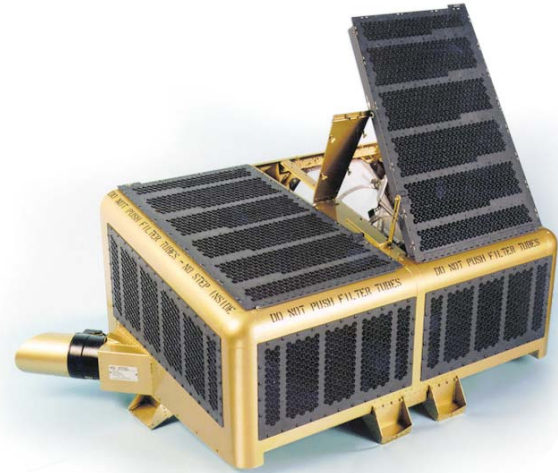
Sea King, SH-3, S-61 Helicopter Centrisep® Engine Advanced Protection System (EAPS)

Fit and Forget Engine Protection

The Sea King's Search and Rescue means anxious minutes hovering close to the sea or ground while the engine air intakes are battered by salt spray, sand, dust and debris.

Salt accumulates on the rotating parts, reducing the engine power available which can sometimes lead to an aborted mission.

Foreign Object Damage (FOD), Icing, Snow and Hot Gas Ingestion (HGI) can also be a lethal threat to these rescue helicopters.



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 and Sand)
- Improved operational capability in extreme environments
- Prevention of cross ingestion of FOD from an engine failure
- Protection against engine erosion.



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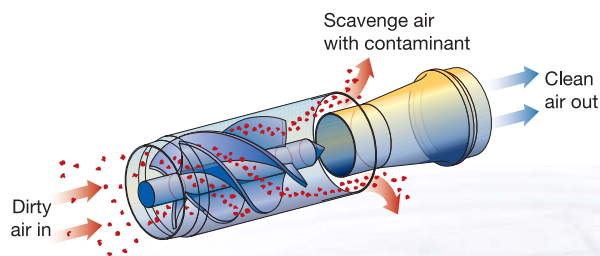
Product Details

Pall P/N: QB0124-05 (Sea King); QB0631-05 (S61)

Scavenge System: Fan Scavenge (2 per helicopter)

Approval: AgustaWestlands Mod No.7099

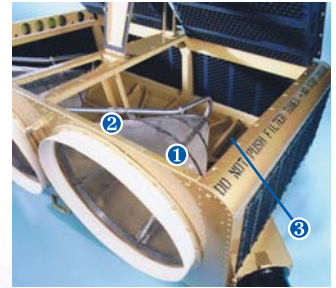
Certified as an all-weather, permanent fit system.



All Weather Operation

The Snow and Ice Protection System (SNIPS) enhances the helicopter's Cold Weather operational capability. It includes the following features

- 1 Quick release conical mesh screens
- 2 Integral engine water-washing/inhibiting fluid spray system
- 3 Water drainage facility at the base of the unit



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.



ENABLING A
GREENER
FUTURESM

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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