

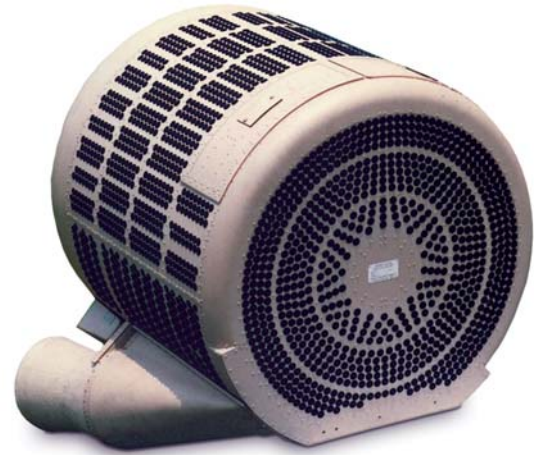
CH-47 Chinook Helicopter

Centrisep® Engine Advanced Protection System (EAPS)

Fit and Forget Engine Protection

“Centrisep EAPS - Don't leave home without 'Em”¹

The CH-47 Chinook is the workhorse for military transport operations. The multi-mission capability of this heavy lift helicopter means it can be used for a huge variety of roles from troop transport to disaster relief and medical evacuation. These demanding missions mean frequent landings on unprepared grounds away from the main base.



The **fit and forget** Centrisep EAPS is the perfect solution for such challenging conditions.

It shields the engine inlet from airborne contamination which results in

- Safer operation (Protection against Sand and Dust, FOD, Ice and Snow)
- Increased operational availability
- Protection against engine erosion
- Increased Time Between Overhaul (up to 20 to 30 times compared to an unprotected engine during desert operation)



Photo Courtesy of the U.S. Army



Photo Courtesy of the U.S. Army

¹ US Army Cargo Helicopters Project management Office
EAPS - Engine Advanced Protection System (formerly Engine Air Particle Separator)

Product Details

Pall P/N: QB0459-03 (Port) QB0460-03 (Starboard)

US Army Pall P/N: AEA24917BKIT

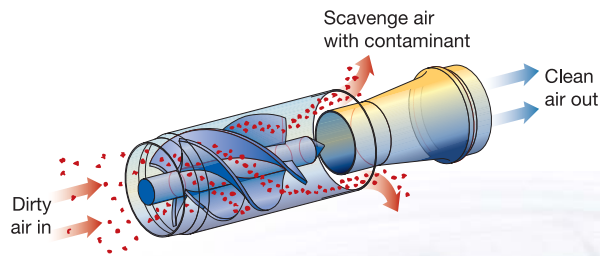
(includes Port and Starboard Centrisep modules)

Product available as a factory option for new build helicopters

Scavenge System: Fan Scavenge (2 per helicopter)

Approval: Boeing Service Bulletin
SB459-60-2

Certified as an all-weather, permanent fit system.



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).

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.

CENTRISEP®
EAPS

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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