



Donaldson.  
FILTRATION SOLUTIONS

# Auxiliary Power Unit Inlet Barrier Filter System for Military Aircraft



# TAKING FILTRATION TO NEW HEIGHTS

Dust, sand and debris routinely attack your turbine engines, hampering efficiency and impacting reliability.

Installing an Inlet Barrier Filter (IBF) system is the most effective way to protect your engine and help meet established engine time between overhaul requirements.



AH-64A Apache APU

## Donaldson’s IBF system is available factory direct and delivers:

- + Meets established APU time between overhaul limits
- + Longer engine life due to elimination of erosion
- + Provides clean filter air to secondary systems
- + No operating limitations
- + 99% particle separation efficiency at rated APU airflow

Donaldson Military platform APU IBF Systems (U.S. patent #6,824,582) are available for the UH-60 BLACK HAWK, SH-60 SEAHAWK, AH-64 Apache, CH-47 Chinook, UH-1Y Venom, and AH-1Z Viper.

## Product Overview

Features	UH-60 BLACK HAWK, UH-1Y Venom, AH-1Z Viper Hamilton Sundstrand APU Part number 104002-101	UH-60 BLACK HAWK, Honeywell APU Part number 104003-101	AH-64A Apache Part number 110001-103	CH-47 Chinook Part number 104004-101
Design Features	Structurally integrated APU kit; two rugged curved filters designed for fast filter exchange; common APU model firewall provisions	Structurally integrated APU kit; two rugged curved filters designed for fast filter exchange; common APU model firewall provisions; integrated APU lifting lug	Structurally integrated APU kit; new inlet plenum with dual entry inlets; two rugged curved filters for fast filter exchange; improved sealing system	Structurally integrated APU kit; two rugged curved filters designed for fast filter exchange; can install without removing APU
Components	Frame assembly secures filters to APU; filter maintenance aid for on-condition filter assessment	Frame assembly secures filters to APU; filter maintenance aid for on-condition filter assessment	Plenum assembly secures filters to APU; filter maintenance aid for on-condition filter assessment	Frame assembly secures filters to APU; filter maintenance aid for on-condition filter assessment
Proven	The US Army/Navy have equipped over 1,300 of its APUs with the IBF. The Israeli Air Force, Royal Jordanian Air Force, Royal Saudi Air Force, Swedish Armed Forces and United Arab Emirates Air Force operate the APU IBF.	The US Army/Navy have equipped over 600 of its APUs with the IBF.	The US Army has equipped over 100 of its APUs with the IBF.	The US Army has over 170 Donaldson APU IBF kits.



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