



Donaldson
FILTRATION SOLUTIONS
AEROSPACE & DEFENSE

**ROTORCRAFT AUXILIARY POWER UNIT
INLET BARRIER FILTER SYSTEMS for
MILITARY AIRCRAFT**



On today's battlefields, military helicopters can be the difference between victory and defeat. Successful mission completion depends on safe and reliable aircraft operation and that depends on safe and reliable propulsion system operation, so depend on Donaldson to keep your Auxiliary Power Unit (APU) running healthy. Donaldson Aerospace & Defense produces military qualified APU Inlet Barrier Filter (IBF) systems for a variety of U.S. and Allied military helicopters. IBFs virtually eliminate FOD, dirt, and other threats that reduce APU efficiency and damage critical components.

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.

INSTALL BEFORE FLIGHT

Military helicopters constantly operate in dangerous, dirty conditions. Installing an IBF system is the best and most effective way to protect APUs from damage ranging from lost efficiency to catastrophic failure.

- Provides clean filter air to secondary systems
- Extends APU life due to elimination of erosion
- Meets established APU time between overhaul limits
- Available factory-direct



AH-64A Apache APU

- No operating limitations, 99% particle separation efficiency at rated APU airflow

PERFORMANCE AT-A-GLANCE

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	AH-64D Apache Part number 110001-105	CH-47 Chinook Part number 104004-101
Design Features	Structurally integrated APU kit; two rugged half moon filters designed for fast filter exchange; common APU model firewall provisions	Structurally integrated APU kit; two rugged half moon 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 half moon filters for fast filter exchange; improved sealing system	Structurally integrated APU kit; new inlet plenum with dual entry inlets; two rugged half moon filters for fast filter exchange; improved sealing system	Structurally integrated APU kit; two rugged half moon 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	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 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.	This kit is completing qualification testing with the US Army.	The US Army has equipped over 170 of its APUs with the IBF.



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