

*It's amazing how far
you can go with a little
blue-sky thinking.*



Introducing the new **PA100 *PURE*air System** for the AS350/EC130

*A totally redesigned, reengineered and retested engine
air protection system that goes above and beyond its
predecessor.*

> KEY BENEFITS VS. CONVENTIONAL IBF

- *Break-even in less than 18 months: Self-cleaning, virtually maintenance-free*
- *2% gain in engine power*
- *Equivalent level of engine protection*
- *Improved FOD protection with the new downstream FOD screen*

> KEY FEATURES

- *Includes the latest Pall Aerospace technology*
- *Can be retrofitted on existing AS350/EC130 models equipped with Arriel engines*
- *Engine protection always on: P2 valve removed and no need for a bypass door*
- *Includes a fairing made of advanced carbon fiber*
- *All weather conditions: ice, snow and heavy rain*



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FILTERS

PA100 PUREair System

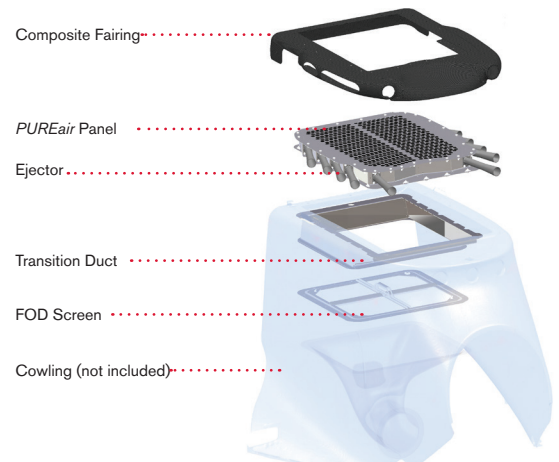
AS350/EC130 WITH ARRIEL ENGINES

DART Aerospace and Pall Aerospace have teamed up to offer an engine filtration system that features Pall's redesigned vortex tube technology. The new system is compatible with AS350 and EC130 helicopter models equipped with Arriel engines. The system provides a dramatic increase in dust and foreign object separation

efficiency. Combined with the enhanced vortex tube technology, the system is self-cleaning, provides continuous protection and does not require removal for regular maintenance and cleaning.

> ENHANCEMENTS OVER LEGACY PARTICLE SEPARATORS

- Constant engine protection
 - Scavenge always on
 - P2 bleed air valve eliminated
- Bleed air reduced by 50%
- Reduced pressure drop and reduced impact on engine power
- New inlet-duct FOD screen added
 - Protection even when cowl is open
- New generation of more efficient vortex tubes
- Flow distribution dramatically improved using CFD analysis
- New design includes a transition duct to straighten the flow
- Faster installation
 - No P2 bleed air valve
 - No electrical harness to install



PART NUMBER	PRODUCT DESCRIPTION	AIRCRAFT MODEL	INSTALLATION TIME	SPECIAL COMMENTS
D350-822-011	PA100 PUREair System	AS350B/B1/B2/B3/BA	2.5h	Mounts on existing engine cowling. Includes Pall technology, carbon fiber fairing with ejectors, transition duct, FOD screen, 10 repair tubes, and hose.
D130-822-013		EC130B4/EC130T2		



APPROVAL	STC NUMBER	A/C APPROVED	STC DESCRIPTION
CANADA	Pending Expected in first half of 2014	AS350B/B1/B2/B3/BA EC130B4/EC130T2	PA100 PUREair System
USA			
EASA			

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