



***AFS Inlet Barrier Filtration (IBF) System  
Eurocopter EC 130***



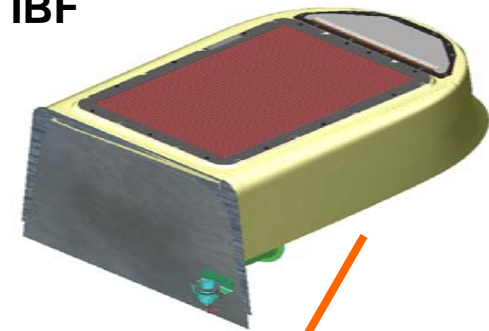
# AFS EC 130 IBF SYSTEM



## Key Benefits

- Proven technology with over 1,000,000 flight hours
- Lowest life cycle costs over alternate systems
- Maximum engine protection with improved engine performance
- Improved engine inlet plenum access
- Reduced engine maintenance
- Filter maintenance aid (FMA) for on-condition filter assessment
- Longer filter life than alternative filter systems
- Non-intrusive cockpit installation with minimal aircraft modifications
- Common components with other AFS certified systems
- Long lasting, flat filter assembly for easy cleaning
- Optional environment cover available

## AFS EC 130 IBF

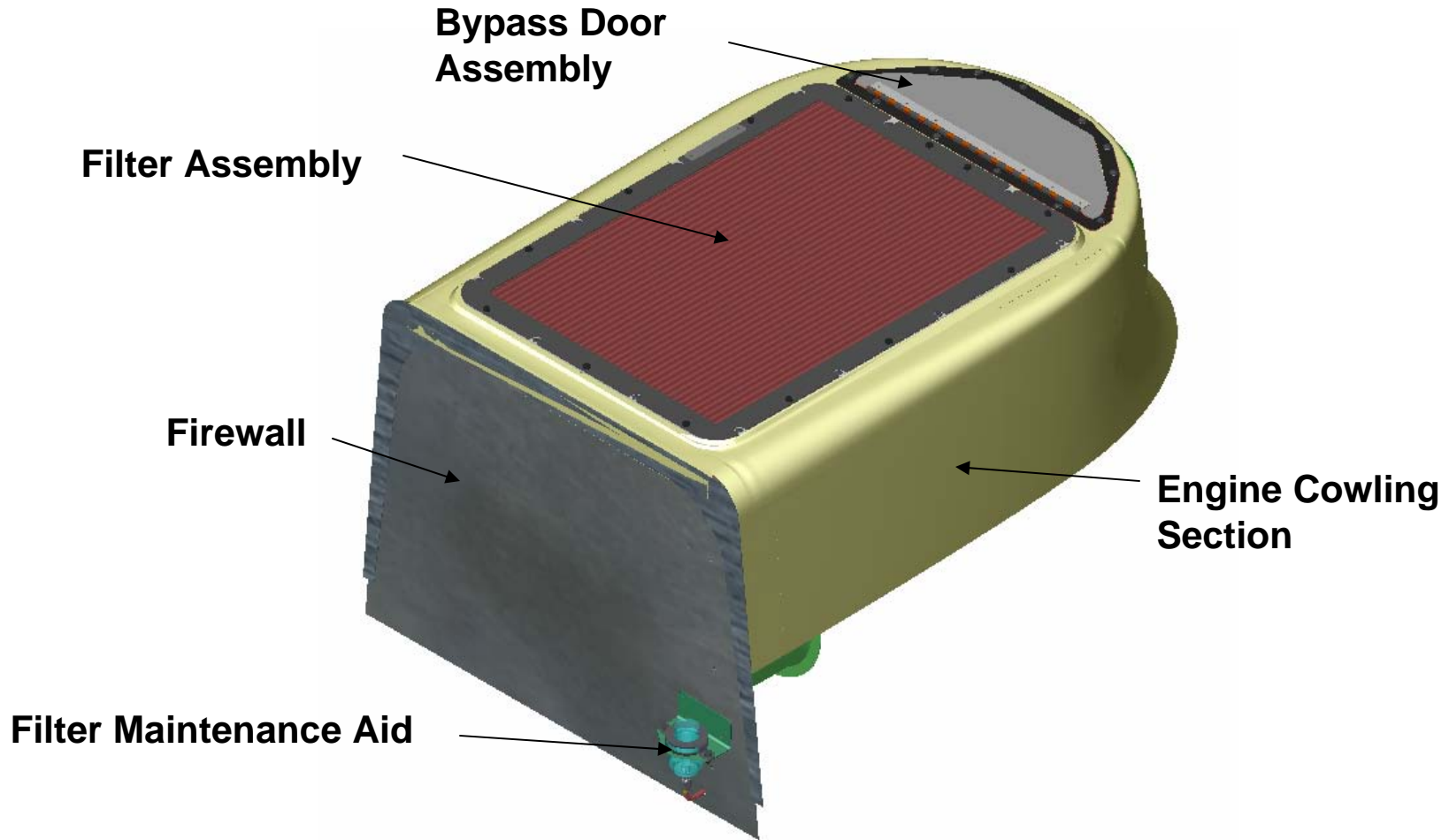




# AFS EC 130 IBF SYSTEM



## IBF System Design



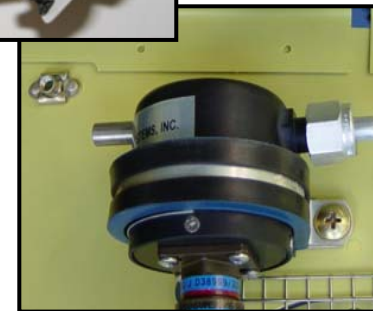
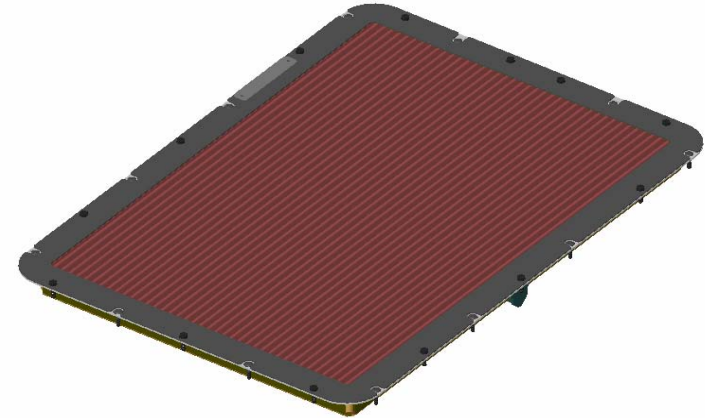


# AFS EC 130 IBF SYSTEM



## Design Features

- **Flat Filter Design**
  - Large Surface Area - efficient in all flight regimes
  - Flat Filter – easy cleaning and servicing at 300 hour intervals
  - Quarter Turn Fasteners – easy removal
  - Proven Media – quality and durability
  - Long Lasting – 4500 hour service life
- **Filter Maintenance Aid (FMA)**
  - Assessment of filter contamination level
  - Allows for maintenance cycle planning
  - Verification of post cleaning effectiveness
  - Proven component
  - Common design with other AFS IBF systems
- **Delta Pressure Switch**
  - Cockpit Indication
  - Lightweight, robust design
  - Proven component
  - Common design with all other AFS IBF systems



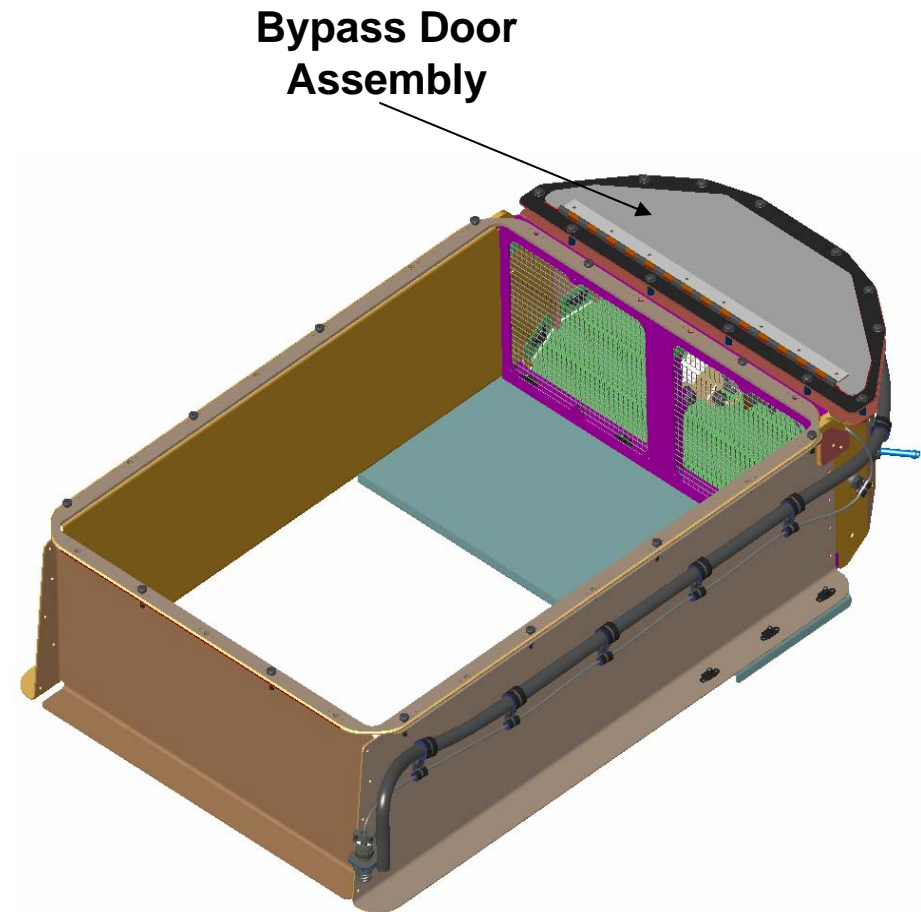


## AFS EC 130 IBF SYSTEM



### AFS EC 130 Bypass System Benefits

- Inlet plenum allows for bypass when filter is dirty
- Low drag - doesn't impinge into airflow when closed
- Easy installation – minimal cowling modification
- Bypass door deflects debris when open, same concept as AFS AS 350 IBF





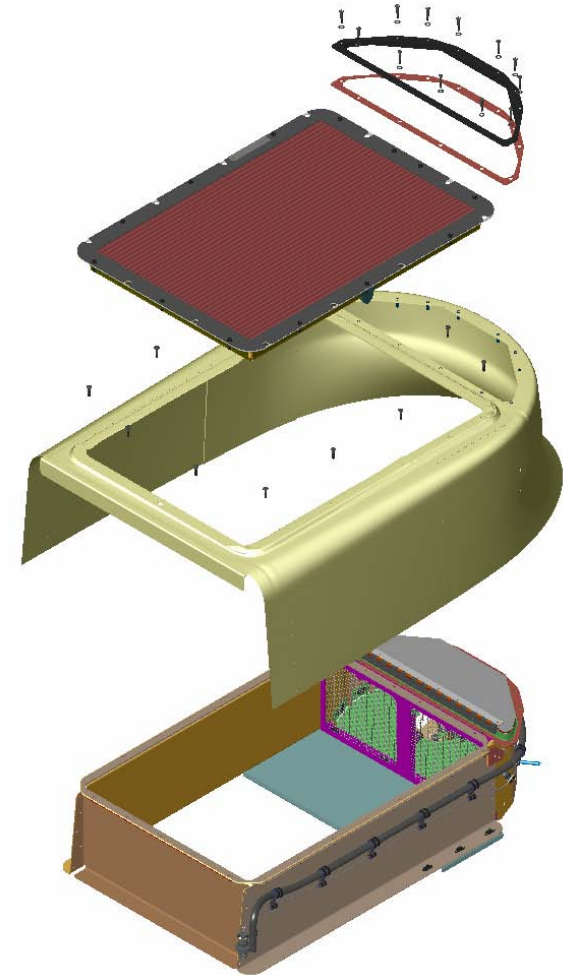
# AFS EC 130 IBF SYSTEM



## EC 130 IBF Installation

### Minor modification to cowling required

- **Modify cowling for bypass door**
- **Enlarge inlet opening**
- **After cowling modification, rest of system bolts on readily**





# AFS EC 130 IBF SYSTEM



Cockpit Switch / Annunciator

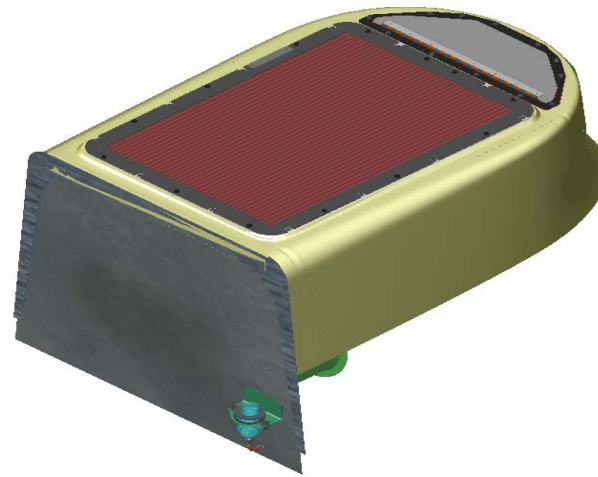


## Cockpit Switch / Annunciator

- 1) Switch and Annunciator co-located – efficient, safe design
- 2) Filter clogged indication
- 3) Bypass indication
- 4) Positive indicator of system health



## AFS EC 130 IBF SYSTEM



### ***AFS Inlet Barrier Filtration Offers:***

- ✓ ***Rugged, Efficient, Safe Design***
- ✓ ***Improved Engine Protection***
- ✓ ***Reduced Operating Costs***
- ✓ ***Improved Performance***
- ✓ ***Reduced Maintenance***
- ✓ ***Improved Safety***



# AFS EC 130 IBF SYSTEM



Distributed by

Aero Products  
551 N 40th Street  
Show Low, AZ 85901

(928) 537-1000 \* Fax: (928) 537-1001  
[sales@aeroproducts.com](mailto:sales@aeroproducts.com)

**Inlet Barrier Filters from AFS:  
Install Before Flight.**

