



Facet
Filtration Group®

Into-Plane Filtration



Into-Plane Filtration Goal

Clean/Dry On-Spec Fuel

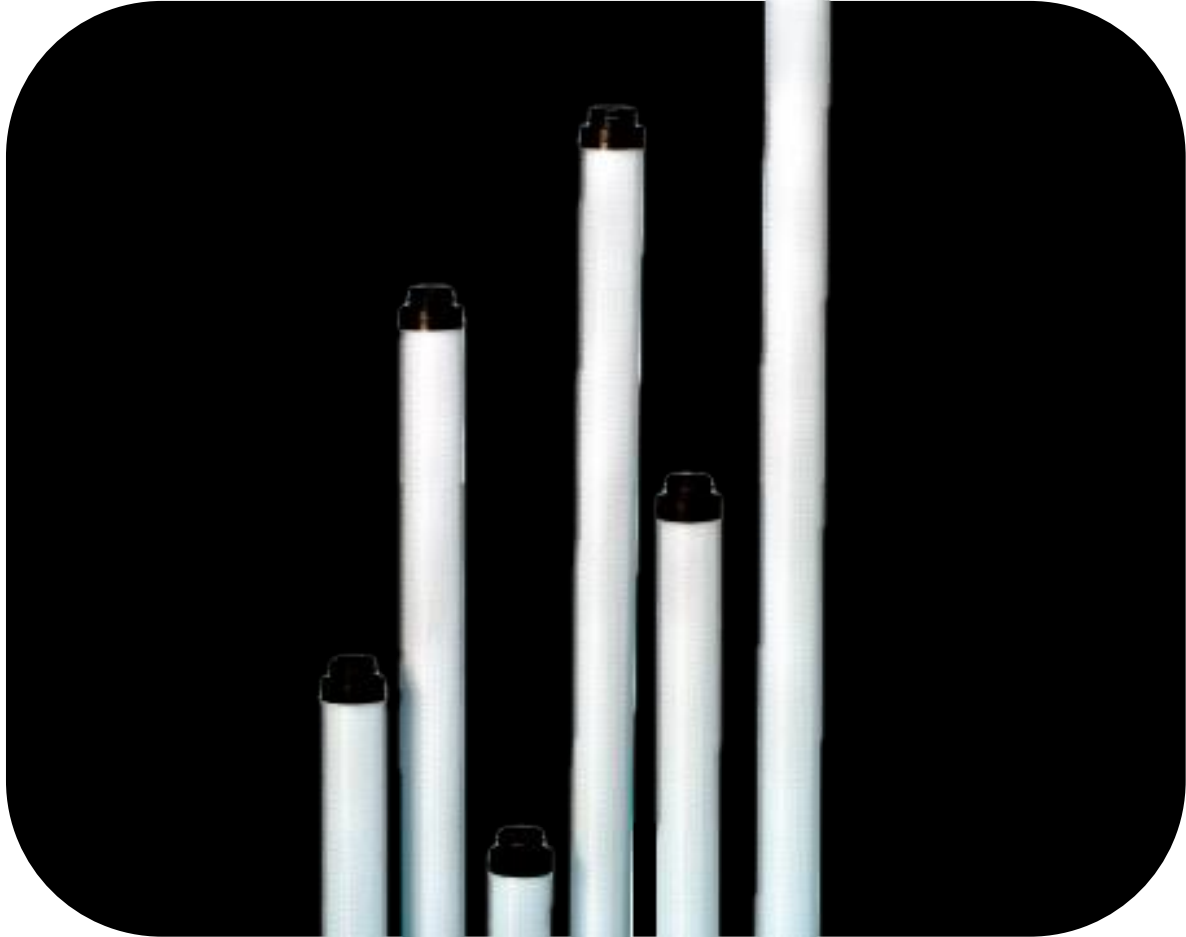
- Clean: Less than .26 mg/l Solids & 10 Fibers/l
- Dry: Less than 15 ppm Free/Entrained Water
- On-Spec: ASTM D-1655, D-7566, D-910



Current Into-Plane Options

- Monitor (EI-1583) – Standard withdrawn in 2020
- Dirt Defense (EI-1599) with Quantitative Sensor (EI-1598)
- Water Barrier (EI-1588)
- FWS (EI-1581/7th Edition) S-LW & S-M

Into-Plane Options



Monitor (EI-1583)

- 40-year-old technology
- Standard withdrawn in 2020
- Currently still allowed for use by A4A (with specific operational parameters), but availability ending **SOON !!**

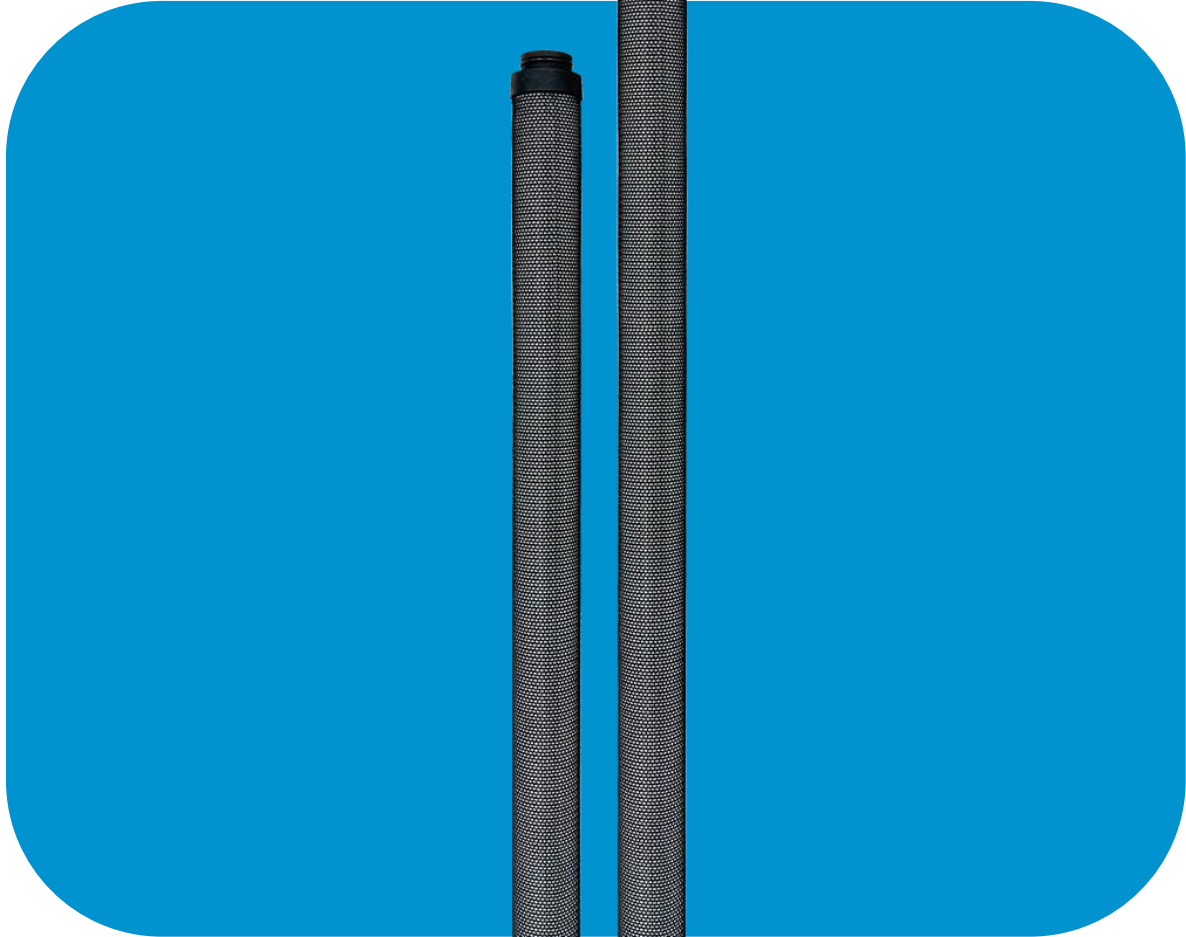
Into-Plane Options



Dirt Defence (EI-1599) + Quantitative Sensor (EI-1598)

- Direct replacement element (form and fit) for existing 1583 technology
- Solids filtration only – No water removal
- High upfront cost + annual recertification costs
- Requires additional personnel training
- Single source of supply
- Alerts there's a problem but doesn't solve it
- Additional equipment needed on-site to be used when water is detected and during annual sensor recertification

Into-Plane Options



Water Barrier (EI-1588)

- Direct replacement (form and fit) for existing 1583 technology
- Prevents both water and solids from entering the aircraft
- Collects water in vessels that are not designed for (no sump)
- Some field results have shown short life compared to 1583 technology

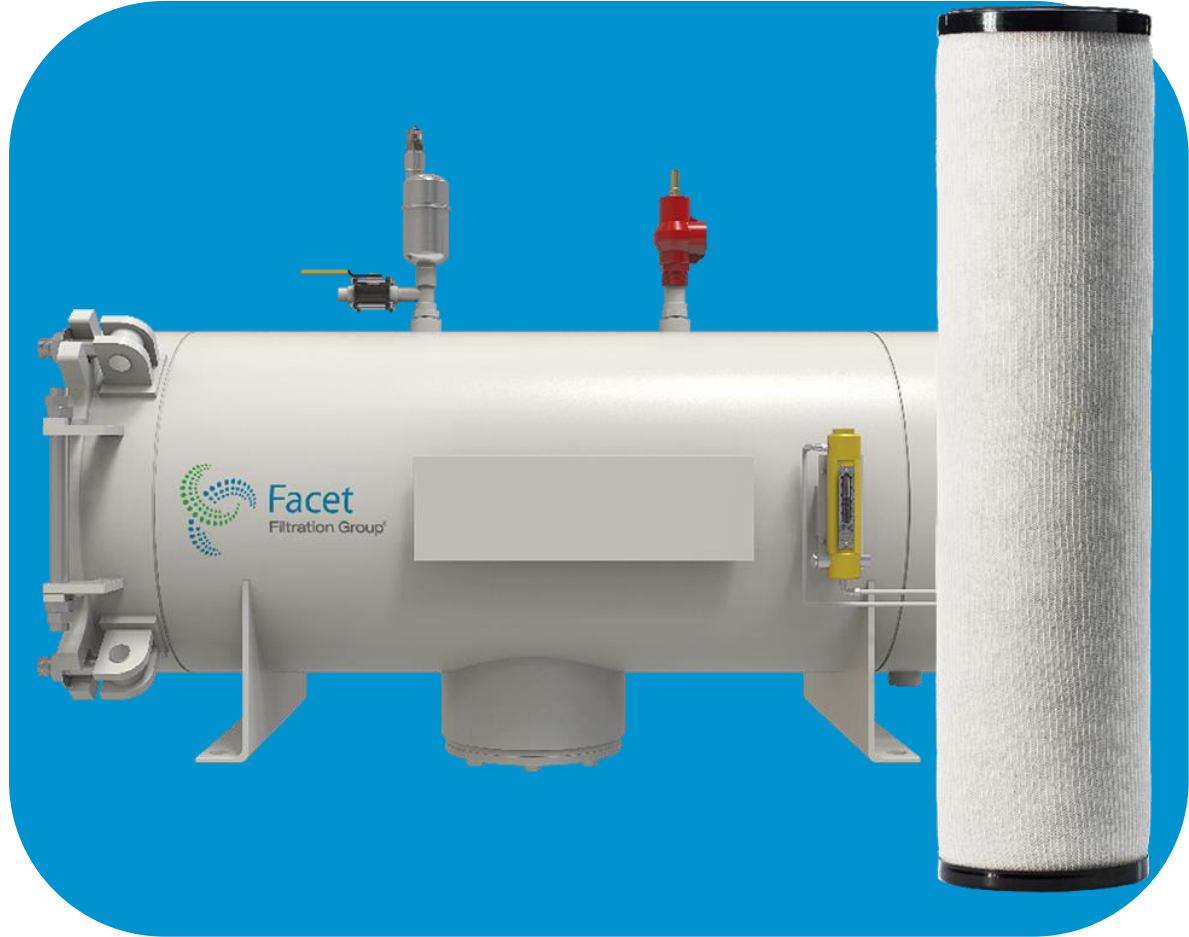
Into-Plane Solutions



2" Coalescer (EI-1581) S-M

- One Coalescer and one Separator model
- Prevents both water and solids from entering the aircraft
- Single vessel length
- Can be labor intensive because of the number of coalescers
- Single source of supply

Into-Plane Options



6" Coalescer (EI-1581) S-LW

- Proven/reliable technology
- Prevents both water and solids from entering the aircraft
- Multiple element lengths and configurations
- Multiple sources of supply

Vessel Size Comparisons

300 gpm Example

Internal Diameter
Diameter

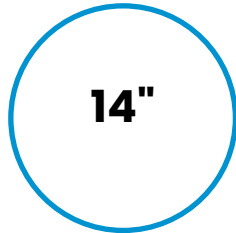
2" Monitor



Approximate Spacing Requirements

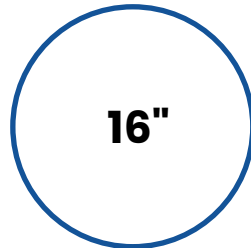
Total Weight: 211 lbs
Length: 52" / Height: 15"

2" Coalescer



Total Weight: 502 lbs
Length: 47" / Height: 25"

6" Coalescer



Total Weight: 597 lbs
Length: 48" / Height: 25"

General space envelopes shown. All customer installations require detailed review.

Both 2" and 6" Coalescers require hardware changes - Water Barrier is the only drop-in solution

Factors to Consider



How old is your cart or existing equipment?



What is the quality of your incoming fuel?



How much fuel are you using?



Is the quality of your incoming fuel consistent?



Are there significant temperature variations in your region?



Do you typically see a high volume of water?

There are many significant variables to consider when calculating your TCO

Let's Calculate Your TCO

Expert Evaluation

Our expert team will assess key factors such as the quality of incoming fuel, presence of water, ongoing maintenance costs, and the age of your equipment to provide a thorough TCO analysis.

Cost Optimization

Using our insights and experience, we will identify opportunities to optimize both current and future operational costs and your capital investment.

Future-Oriented Solution

Our goal is to ensure you're set up for long-term success by improving efficiency and cutting costs through targeted recommendations.



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Questions

