

FWB Series

Water Barrier Elements

2" OD FILTER MONITOR REPLACEMENT CARTRIDGES EI-1588 2nd Edition Qualified

SAFE AVIATION FUEL SECURED BY CUTTING-EDGE WATER BARRIER TECH

When aviation fuel monitor cartridges were introduced for filtering aviation fuel, super absorbent polymers (SAP) became crucial in protecting systems from contamination during fueling operations. However, the potential for SAP downstream migration introduced uncertainties.

Today, FWB Water Barrier Cartridges address these concerns by removing SAP from the equation, while still ensuring the delivery of clean, dry fuel.

Serving as a drop-in replacement, they maintain reliable efficiency and exceptional water-removing performance.

Now included in
ATA-103
(Jan 2022)
and JIG 1 & 4
Operating Standards
(April 2023)



FEATURES:

- **CUTTING-EDGE BARRIER TECHNOLOGY**
Prevents the passage of water and dirt downstream, allowing only clean and dry fuel to flow
- **MEETS EI 1588 2nd edition specification requirements**
Provides defense against emulsified water and provides protection against water slugs
- **RESOURCE-EFFICIENT**
No additional electronic water sensors needed
- **MEDIA MIGRATION UNCERTAINTIES RESOLVED**
Eliminate concerns related to SAP media migration or the presence of extrudables downstream and in filtration systems
- **COMPATIBLE MATERIALS**
Utilizes construction materials widely acknowledged in the industry for reliability and performance

FWB DESIGN REDUCES NEED FOR RETROFITTING

FWB barrier technology presents a seamless solution for current 2" diameter filter monitors, preserving their external dimensions and endcap styles while removing the use of SAP media.

This advancement enables the utilization of existing monitor housings while reducing the need for retrofitting fueling carts and trucks.

WATER BARRIER TECHNOLOGY EXCELS IN THE FOLLOWING AREAS:

- Effectiveness against low-water emulsions
- High performance in total water submersion scenarios
- Capability to handle water slugs at or exceeding 101.5 psid (7 bar)
- Effective in fuel with FSII (anti-icing additive)
- Outstanding dirt efficiency

HOW FWB SERIES CARTRIDGES WORK

FWB barrier technology functions as a robust shield, filtering contaminants and impeding the downstream flow of water.

Utilizing a porous hydrophobic material, it effectively blocks water droplets, ensuring the delivery of clean and dry fuel.

Moreover, water droplets captured on the media surface coalesce and descend to the vessel's bottom, which must be drained.

DATA

Part number	Flow rate	Overall Length inches	Replacement for:		
	USGPM		Facet SAP Monitor	Velcon SAP Monitor	Faudi DDF
FWB-205	5	5 13/16	FG-205-7	CDF-205P	-
FWB-210	10	10 13/16	FG-210-7	CDF-210P	DDO2.2-10-2
FWB-215	15	15 13/16	FG-215-7	CDF-215P	DDO2.2-15-2
FWB-220	20	20 13/16	FG-220-7	CDF-220P	DDO2.2-20-2
FWB-225	25	25 13/16	FG-225-7	CDF-225P	-
FWB-230	30	30 13/16	FG-230-7	CDF-230P	DDO2.2-30-2

