

# SAP Free Water Barriers for Aviation Fuel

CDFX™ Series 2" OD EI-1588 2<sup>nd</sup> Edition Qualified Water Barrier Elements for Aviation Fuel Filtration



## Next Generation Water Barrier Elements:

Since the introduction of aviation fuel monitor cartridges in aviation fueling, super absorbent polymers (SAP) have been the essential materials used in the final stage of airport ground fueling systems for protection of on-board systems from water contamination. The material's ability to absorb and chemically lock in water have it's challenges—potential media migration downstream.

Parker Velcon CDFX water barrier technology eliminates the uncertainty of SAP migration downstream by removing SAP from the equation while still providing the efficiency and water removing performance you can rely on as a drop-in replacement element.

## Contact Information:

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## Product Features:

- **INNOVATIVE BARRIER TECHNOLOGY**

Water and dirt are prevented from passing downstream allowing only clean dry fuel

- **EI 1588 PERFORMANCE**

Defense against emulsified water and full water slug protection

- **COST AND RESOURCE EFFICIENT**

Fits currently deployed monitor housings without the need for costly retrofitting or addition of electronic sensors



Now Included in  
ATA-103 (Jan 2022)  
and

JIG 1 & 4 Operating Standards  
(April 2023)



ENGINEERING YOUR SUCCESS.

## Barrier Technology

The new barrier technology provides a drop-in solution for existing 2" diameter filter monitors. Exterior dimensions and endcap styles remain the same while SAP media is replaced with new barrier technology. This allows for use with current monitor housings without the need for expensive and costly retrofitting of filtration systems on fueling carts and fueling trucks.

### Our barrier technology is:

- Effective against low-water emulsions
- Effective against total water submersion
- Effective when introduced to water slugs at or greater than 101.5 psid (7 bar)
- Effective in fuel with FSII (anti-icing additive)
- Excellent dirt efficiency

### HOW OUR NEW BARRIER TECHNOLOGY WORKS

Our barrier technology filters contaminate and prevents water from passing downstream.

Water droplets are blocked by a hydrophobic material that is porous to provide clean, dry fuel.

Water droplets impeded on the surface of the media coalesce and drop to the bottom of the vessel from where they must be drained.



## Filter Element Selection

Cartridge Flow Rate USGPM	Velcon Model Number	Overall Length (inches)	Replacement for:		
			Velcon SAP Monitor Model No.	Facet SAP Monitor Model No.	Faudi DDF Model Number
5	CDFX-205B	5 13 / 16	CDF-205P	FG-205-7	
10	CDFX-210B	10 13 / 16	CDF-210P	FG-210-7	DDO2.2-10-2
15	CDFX-215B	15 13 / 16	CDF-215P	FG-215-7	DDO2.2-15-2
20	CDFX-220B	20 13 / 16	CDF-220P	FG-220-7	DDO2.2-20-2
25	CDFX-225B	25 13 / 16	CDF-225P	FG-225-7	
30	CDFX-230B	30 13 / 16	CDF-230P	FG-230-7	DDO2.2-30-2