



## Fuel-Gard® FG-I

### 6" O.D. INSIDE/OUTSIDE MONITOR CARTRIDGE

The PECOFacet 6" nominal outside diameter Fuel-Gard® FG-I Series monitor cartridges perform three jobs to give you clean, dry fuel. They absorb free and emulsified water, remove ultra-fine solids, and shut down system flow when hit with a localized slug of water. They are designed to flow from inside-to-outside.

The presence of water or solids in the incoming fuel will be indicated by an increase in the pressure differential or a decrease in the flow rate as the cartridge reaches its maximum capacity for solids, water or a combination of both. When either happens, the cartridges should be replaced.

Each Fuel-Gard® FG-I Series monitor cartridge is constructed of various water absorbent media, plus fine filtration layers pleated to extend service life. The perforated metal center tube provides balanced flow and structural strength to protect against back flow caused by sudden shut down of the system. The inner and outer shells are heavy duty metal. The inner shell supports both the pleated section and absorbent media when hit with a localized slug of water. The outer shell retains the media during and after shut down.



- Tested and qualified to meet **6th edition of EI 1583** Specifications and Qualification Procedures - Aviation Fuel Filter Monitors with Absorbent Type Cartridges
- Multi-layered media for increased solids holding, water removal and shutdown protection
- All metal components are treated against corrosion
- Structurally withstands a minimum of 175 psid
- Heavy duty metal center tube and outer shell for extra structural strength
- Not adversely affected by exposure to temperatures varying from -40°F to 160°F
- Available in rod-mount and screw-base (threaded base) designs
- Can be used to replace existing coalescers for into-plane fueling service

## ROD MOUNT ORDERING INFORMATION

MODEL NUMBER	ID (inches)	OD (inches)	LENGTH (inches)	FLOW RATE (gpm)
FG-I-611-6	3 <sup>1</sup> / <sub>2</sub>	6	11 <sup>1</sup> / <sub>4</sub>	49
FG-I-614-6	3 <sup>1</sup> / <sub>2</sub>	6	14 <sup>1</sup> / <sub>2</sub>	58
FG-I-622-6	3 <sup>1</sup> / <sub>2</sub>	6	22 <sup>1</sup> / <sub>4</sub>	92
FG-I-628-6	3 <sup>1</sup> / <sub>2</sub>	6	28 <sup>3</sup> / <sub>4</sub>	120
FG-I-633-6	3 <sup>1</sup> / <sub>2</sub>	6	33 <sup>3</sup> / <sub>4</sub>	140
FG-I-638-6	3 <sup>1</sup> / <sub>2</sub>	6	38	161
FG-I-643-6	3 <sup>1</sup> / <sub>2</sub>	6	43 <sup>1</sup> / <sub>4</sub>	184
FG-I-656-6	3 <sup>1</sup> / <sub>2</sub>	6	56 <sup>1</sup> / <sub>4</sub>	241

## SCREW BASE ORDERING INFORMATION

MODEL NUMBER	ID (inches)	OD (inches)	LENGTH (inches)	FLOW RATE (gpm)
FG-I-614SB-6	3 <sup>1</sup> / <sub>2</sub>	6	13 <sup>3</sup> / <sub>8</sub>	52
FG-I-616SB-6	3 <sup>1</sup> / <sub>2</sub>	6	15 <sup>7</sup> / <sub>8</sub>	63
FG-I-622SB-6	3 <sup>1</sup> / <sub>2</sub>	6	21 <sup>5</sup> / <sub>8</sub>	88
FG-I-628SB-6	3 <sup>1</sup> / <sub>2</sub>	6	27 <sup>3</sup> / <sub>8</sub>	113
FG-I-633SB-6	3 <sup>1</sup> / <sub>2</sub>	6	32 <sup>3</sup> / <sub>8</sub>	135
FG-I-638SB-6	3 <sup>1</sup> / <sub>2</sub>	6	37 <sup>3</sup> / <sub>8</sub>	157
FG-I-643SB-6	3 <sup>1</sup> / <sub>2</sub>	6	43 <sup>1</sup> / <sub>2</sub>	185
FG-I-656SB-6	3 <sup>1</sup> / <sub>2</sub>	6	55 <sup>3</sup> / <sub>8</sub>	236

## MATERIALS

- **MEDIA** Multi-layered for increased solids holding and water removal
- **CORE** Epoxy coated steel
- **END CAPS** Epoxy coated steel or thermoplastic
- **GASKET** Buna-N

## PERFORMANCE

MAX. TEMPERATURE (F)	MAX. PRESSURE (psid)	RECOMMENDED CHANGE-OUT PRESSURE (psid)
160	175	15 (ATA-103) 22 (JIG)

**WARNING: MONITOR CARTRIDGES SHOULD NEVER BE USED WITH FUELS CONTAINING ANTHICING ADDITIVES SUCH AS FSII, PRIST AND DI-EGME. THIS INCLUDES PRE-MIXED AND MILITARY FUELS CONTAINING THESE ADDITIVES. THE USE OF MONITOR CARTRIDGES WITH FUELS CONTAINING ANTHICING ADDITIVES MAY RESULT IN (1) A FAILURE OF THE MONITOR CARTRIDGE AND/OR (2) MIGRATION OF FILTRATION MEDIA INTO THE FUEL STREAM, EITHER OF WHICH COULD POTENTIALLY CAUSE DAMAGE TO OR SUDDEN FAILURE OF THE CORRESPONDING ENGINE. THE SUPPLIER SHALL NOT BE LIABLE IN ANY RESPECT FOR ANY DAMAGE OR LOSS THAT ARISES FROM THE USE OF MONITOR CARTRIDGES WITH FUELS CONTAINING ANTHICING ADDITIVES. SUCH USE IS ENTIRELY AT THE USER'S RISK.**

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