

## FG Series Fuel-Gard® EI 1583 Monitor Cartridges 6" O.D. - Outside/Inside Flow



### **For Maximum Water Absorption, Solids Holding Capacity And Shutdown Protection To Assure Clean, Dry Fuel**

The Facet 6" (152 mm) nominal outside diameter FG Series Fuel-Gard® 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.

Facet FG Series Fuel-Gard® monitor cartridges meet the 7th edition of EI Specification 1583 —Laboratory Test and Minimum Performance Levels for Aviation Fuel Filter Monitors.

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 cartridge should be replaced.

Each FG Series Fuel-Gard® monitor cartridge is constructed of various water absorbent media, plus fine filtration layers pleated to give you long life. The perforated metal center tube provides for balanced flow and structural strength. The center tube 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 shutdown.

### **Standard Design Features**

- Tested and qualified to meet the 7th edition of EI Specification 1583 —Laboratory Test and Minimum Performance Levels for Aviation Fuel Filter Monitors
- Multi-layered media for increased solids holding, water removal and shutdown protection
- All metal components are treated against corrosion
- Structurally withstands a minimum of 174 psid (12 bar)
- Heavy duty metal center tube and outer shell for extra structural strength
- Buna-N gaskets —Viton available on request
- Not adversely affected by exposure to temperatures varying from -65 °F to 160 °F (-54 °C to 71 °C)

WARNING: MONITOR CARTRIDGES SHOULD NEVER BE USED WITH FUELS CONTAINING ANTI-ICING 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 ANTI-ICING 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 ANTI-ICING ADDITIVES. SUCH USE IS ENTIRELY AT THE USER'S RISK.

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**DATA**

MODEL NUMBER	FLOW RATE		NOMINAL LENGTH		OUTSIDE DIAMETER		INSIDE DIAMETER	
	gpm	lpm	in	mm	in	mm	in	mm
FG-O-614-7	58	219	14½	370	6	152	3½	89
FG-O-614SB-7	58	219	14½	370	6	152	3½	89
FG-O-628-7	116	439	28¾	730	6	152	3½	89
FG-O-628SB-7	108	408	28¾	730	6	152	3½	89
FG-O-633-7	133	503	33¼	840	6	152	3½	89
FG-O-633SB-7	129	488	33¼	840	6	152	3½	89
FG-O-638-7	158	598	38	960	6	152	3½	89
FG-O-638SB-7	150	567	38	960	6	152	3½	89
FG-O-643-7	176	666	43	1050	6	152	3½	89
FG-O-643SB-7	173	654	43	1050	6	152	3½	89

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