



The Facet 2" (51 mm.) nominal outside diameter FG Series Fuel-Gard® monitor cartridges perform three jobs—they absorb free and emulsified water, remove ultra-fine solids and shut down system flow when hit with a localized slug of water, giving you clean, dry fuel. The FG Series Fuel-Gard® monitor cartridges are designed to flow from the outside to inside at a rate of 1 gpm (3.79 lpm) per inch of length.

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

## FG Series Fuel-Gard® EI 1583 Monitor Cartridges 2" O.D. - Outside/Inside Flow

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 cartridges reach their maximum capacity for solids, water or a combination of both. When either happens, the cartridges should be replaced.

Each FG Series Fuel-Gard® monitor cartridge is constructed of various water absorbent media, plus fine filtration layers wrapped around a molded center tube for balanced flow and structural strength—all encased in a protective outer sock material. The end cap material is of injection molded, glass-filled nylon which provides superior strength and ease of maintenance. This material gives excellent support for the o-ring on the mounting/adaptor end.

### Standard Design Features

- Tested and qualified to meet the 7th edition of EI 1583 Specification —Laboratory Test and Minimum Performance Levels for Aviation Fuel Filter Monitors
- Multi-layered media for increased solids holding, water removal and shutdown protection
- New conductive end caps with anti-static properties which greatly reduce the possibility of static discharge during the fueling process
- Structurally withstands a minimum of 174 psid (12 bar)
- Not adversely affected by exposure to temperatures varying from -65 °F to 160 °F (-54 °C to 71°C)

### DATA

MODEL NUMBER	NOMINAL LENGTH		OUTSIDE DIAMETER		INSIDE DIAMETER	
	in	mm	in	mm	in	mm
FG-205-7	5 $\frac{7}{8}$	150	1 $\frac{3}{4}$	45	$\frac{7}{8}$	23
FG-207-7	7 $\frac{1}{4}$	195	1 $\frac{3}{4}$	45	$\frac{7}{8}$	23
FG-210-7	10 $\frac{7}{8}$	276	1 $\frac{3}{4}$	45	$\frac{7}{8}$	23
FG-215-7	15 $\frac{7}{8}$	404	1 $\frac{3}{4}$	45	$\frac{7}{8}$	23
FG-217-7	17 $\frac{7}{8}$	454	1 $\frac{3}{4}$	45	$\frac{7}{8}$	23
FG-220-7	20 $\frac{7}{8}$	531	1 $\frac{3}{4}$	45	$\frac{7}{8}$	23
FG-225-7	25 $\frac{7}{8}$	658	1 $\frac{3}{4}$	45	$\frac{7}{8}$	23
FG-230-7	30 $\frac{7}{8}$	785	1 $\frac{3}{4}$	45	$\frac{7}{8}$	23

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.