



# Inside-to-Out Flow Filter Cartridges

## FI Series

### Specialized Filters for Use in Filter/Separator Vessels

The FI Series of Inside-to-Out flow filter cartridges are specially designed to replace the coalescer elements in filter-separator vessels. The FI filter cartridges are excellent choices to reduce filtration costs when flushing new systems, or when a filter/separator vessel is used to remove particulate matter only and not water. (Many surplus F/S vessels in the field have been used as pre-filter/micronic vessels.)

The FG suffix, all fiberglass filter elements (e.g., FI-644FG5), are intended for colloidal or slimy type matter; whereas the PL suffix, pleated paper filter elements (e.g., FI-644PLF5), are intended for normal particulate matter.

- **98% filtration efficiency** with micron ratings from 1/2 and higher
- **Thermoset Adhesive Material** – Durable endcap-to-media bond prevents internal bypassing
- **Buna-N Gaskets** – The best general gasket material available, assures positive seals
- **Coated Steel Components** – Resist corrosion from most industrial fluids
- **75 psi Burst Strength** – Heavy gauge carbon steel endcaps and outer reinforcing give safety margin against pressure surges

#### APPLICATIONS

All Hydrocarbon Fuels	Glycols
Water Emulsion Coolants	Toluol
Insulating Oils	Synthetic Oils
Cutting Oils	Degreasing Fluids
Naphtha	Ethyl Alcohol
Lube Oils	Hydraulic Oils



FI-644FG10TB

FI-644PL1/2TB

*Please note: Cartridges may not look exactly like those shown in photo.*

## CARTRIDGE INFORMATION

The following table lists the sizes and features of the available FI Series cartridges. More will be added. Your local Velcon Representative can provide more complete information.

Model	Dimensions	Nominal Micron Rating	Type of Filter Material	Features
FI-431FG10T	3.75" OD x 31.63" OAL	10	Fiberglass	Threaded Base
FI-431FG5T	3.75" OD x 31.63" OAL	5	Fiberglass	Threaded Base
FI-633FG10TB	6.0" x 33.0" OAL	10	Fiberglass	Threaded Base
FI-638FG10TB	6.0" x 38.0" OAL	10	Fiberglass	Threaded Base
FI-638PL5TB	6.0" x 38.0" OAL	5	Pleated Paper	Threaded Base
FI-638PL15	6.0" x 38.0" OAL	15	Pleated Paper	Open Ends
FI-644FG10	6.0" x 3.5" ID x 44.0" OAL	10	Fiberglass	Open Ends
FI-644FG10TB	6.0" x 44.0" OAL	10	Fiberglass	Threaded Base
FI-644FG5	6.0" x 3.5" ID x 44.0" OAL	5	Fiberglass	Open Ends
FI-644PL1/2TB	6.0" x 44.0" OAL	0.5	Pleated Paper	Threaded Base
FI-644PLF5	6.0" x 3.5" ID x 44.0" OAL	5	Pleated Paper	Open Ends
FI-644PL25TB	6.0" x 3.5" ID x 44.0" OAL	25	Pleated Paper	Threaded Base
FI-656PLF1	6.0" x 3.5" ID x 57.0" OAL	1	Pleated Paper	Open Ends
FI-656PL1/2TB	6.0" x 56.0" OAL	0.5	Pleated Paper	Threaded Base
FI-656PLF1TB	6.0" x 56.0" OAL	1	Pleated Paper	Threaded Base
FI-656PLF2	6.0" x 3.5" ID x 57.0" OAL	2	Pleated Paper	Open Ends
FI-656PLF2TB	6.0" x 56.0" OAL	2	Pleated Paper	Threaded Base

## SPECIFICATIONS

75 psi Burst Strength

98% Nominal Filtration Efficiency


5 - 9 Operating pH range

160°F Maximum operating temperature

Micron Ratings from 0.5

Inside-to-Out Flow

Change out at 15 psid



Velcon products are sold and serviced by a world-wide representative network. To order, contact Headquarters or your **LOCAL REPRESENTATIVE**:

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