

Inside-Out-Flow Filter

FI Series - Specialized Filters for Use in Filter/Separator Vessels

The Parker Velcon 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.

FEATURES

- **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

SPECIFICATIONS

- 75 psi Burst Strength
- 98% Nominal Filtration Efficiency
- 5 - 9 Operating pH range
- 251°F (121.1°C) Maximum operating temperature
- Micron Ratings from 0.5
- Inside-to-Out Flow
- Change out at 15 psid for Aviation applications



FI-644FG10TB



FI-644PL1/2TB

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



ENGINEERING YOUR SUCCESS.

CARTRIDGE INFORMATION

The following table lists the sizes and features of the available FI Series cartridges. Your Parker Representative can provide more complete information.

| Model | Dimensions | Nominal Rating (µm) | 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-633PLF5 | 6.0" x 3.5" ID x 33.0" OAL | 5 | Pleated Paper | Open Ends |
| FI-638FG10TB | 6.0" x 38.0" OAL | 10 | Fiberglass | 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-644PLF1/2 | 6.0" x 3.5" ID x 44.0" OAL | 0.5 | Pleated Paper | Open Ends |
| FI-644PLF5 | 6.0" x 3.5" ID x 44.0" OAL | 5 | Pleated Paper | Open Ends |
| FI-644PLF5TB | 6.0" x 44.0" OAL | 5 | Pleated Paper | Threaded Base |
| FI-644PL25TB | 6.0" x 44.0" OAL | 25 | Pleated Paper | Threaded Base |
| FI-644PLF25 | 6.0" x 3.5" ID x 44.0" OAL | 25 | Pleated Paper | Open Ends |
| 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 |
| FI-656PLF5 | 6.0" x 3.5" ID x 56.0" OAL | 5 | Pleated Paper | Open Ends |
| FI-656PLF10TB | 6.0" x 56.0" OAL | 10 | Pleated Paper | Threaded Base |