JFG Series Gas Coalescing Depth Filters

The JFG Series filter elements are one of the most popular Coalescing Depth Filters for demanding applications with high contamination loading. These elements have a large diameter with out to inside flow direction, specifically designed for gas filtration.

Through the combination of specialized Glass Fibers and a varying scale of fiber diameters, this graded density depth style design provides the optimum combination of solid contaminant holding capability and liquid particle coalescing capability. The glass filter media is supported with a heavy-duty, spiral locked steel core. Electro Galvanized Steel End Caps are then mechanically secured to center core providing cartridge strength you can trust not to collapse or bypass at high differential pressures.

Specifications

- **Micron Ratings -**   0.3, 0.5, 1, 5, and 10 µm
- **Initial Pressure Drop -**   Less Than 0.5 PSID
- **Recommended Changeout Pressure -**   15 PSID
- **Maximum Operating Temperature -**   240°F
- **Minimum Operating Temperature -**   60°F
- **Length -**   Up to 72"
- **Outside Diameter -**   3.5", 4.5", and 5.5"
- **Inside Diameter -**   3"

Materials

- **Depth Media -**   Molded Fiberglass
- **Outer Support -**   Cotton
- **End Caps -**   Plated Steel
- **Center Core -**   Tinned Steel
- **Gasket -**   Buna-N

Applications

An industry standard in filter separation, The JFG Series is designed for the most critical air and gas applications. The following are among the most common applications where the JFG can be used.

- Compressor Suction, Removal of lube oil, water and solid particles from effluent gas streams
- Inlet gas filtration in a natural gas processing facility to minimize upsets in sweetening and dehydration units
- Turbine protection from solid and liquid wear causing contaminants
- Fuel gas purification
- Desiccant and catalyst bed protection
- Injection well formation protection during gas flooding
- Minimization of downstream losses in a gas processing facility