

In-Line Bulk Fuel Coalescing Filter ICF

Introduction

The ICF bulk coalescing filter is a highly effective method to remove water from diesel fuels and can be mounted on larger mobile equipment and on small storage tanks. Water in a vehicle fuel system can reduce lubricity causing seizure of close tolerance parts and increased wear. Microbial growth in fuel storage systems begins in free water at the tank bottom and can quickly migrate through the fuel. In warm weather, microbial “blooms” can quickly overwhelm and bypass fuel filters causing contamination to reach the fuel injectors. Today’s high fuel injector systems have tighter tolerances and require complete water removal to minimize wear related failures. The ICF bulk fuel coalescing filter will protect critical equipment and components.

With its size and the flow-rate, the ICF is a great choice for fuel maintenance, recirculation and kidney loop applications supporting fleet operations.

The Schroeder coalescing units are rated at 99.5% single pass efficiency and are capable of removing free water and particulate matter from the following petroleum based fuels: ULSD 15 (and similar petroleum fuels), biodiesel and all blends, along with synthetic diesel and all blends.



ICFC5VS16PG

Features

- 99.5% Single Pass Efficiency
- New fuel/water separation media technology in a three-phase element construction for high efficiency, single-pass removal of free-water in today’s Ultra-low Sulfur Diesel (ULSD) and biodiesel fuels.
- Prior generation coalescing products no longer provide high-efficiency separation in ULSD and biofuels
- Can be upstream (suction side) or downstream (pressure side) of transfer pumps
- Helps protect expensive, vital engine components against failures caused by water transferred from the bulk fuel tanks to the vehicle
- Separates emulsified or finely dispersed water from fuel
- For use in single-pass fuel dispensing or multi-pass reservoir clean up and continuous maintenance

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Markets / Application

- Industrial
- Mobile Vehicles
- Marine
- Mining
- Agriculture
- Bulk Oil Filtration

Technical Data

Flow Rating: Up to 12 gpm (45 L/min)

Maximum Operating Pressure: 100 psi (7 bar)

Minimum Yield Pressure: 400 psi (28 bar)

Rated Fatigue Pressure: 90 psi (6 bar)

Temperature Range: -20°F to 165°F (-29°C to 74°C) standard, 32°F to 165°F (0°C to 74°C) with sight gauge

Bypass Setting: Cracking 15 psi (1 bar)

Materials of Construction: Porting Head/Cap: Anodized Aluminum; Element Case: Nickel Coated Steel

Weight: 19 lbs. (8.6 kg)

Element Change Clearance: 20" (508 mm)