

In-Line Bulk Fuel Coalescing Filter QCF

Introduction

The QCF bulk coalescing filter is a highly effective method to remove water from diesel fuels stored in bulk fuel tanks. Water is typically introduced into the fuel supply by condensation. Water in a vehicle fuel system can reduce lubricity causing seizure of close tolerance parts and increased wear. Water in fuel storage tanks causes rust and promotes microbial growth. 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 pressure fuel injector systems have tighter tolerances and require complete water removal to minimize wear related failures. The QCF bulk fuel coalescing filter will protect critical equipment and components.

The QCF is capable of handling flows up to 70 gpm and is ideal for bulk oil filtration and power generation applications.

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.

Technical Data

Flow Rating: Up to 70 gpm (265 L/min)

Maximum Operating Pressure: 100 psi (7 bar); 45 psi (3 bar) with water sight gauge

Minimum Yield Pressure: 400 psi (27.6 bar) without water sight gauge. Contact factory for use with sight gauge.

Rated Fatigue Pressure Contact Factory

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 Base: Anodized Aluminum
Element Case: Nickel Coated Steel
Cap: Nickel Coated Ductile Iron

Weight: 155 lbs. (77 kg)

Element Change Clearance: 33.8" (858 mm)



QCFC5VS24VM



BDS39QPMLZ3VVM

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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
- Built-in dirt alarm to show when element needs to be replaced

Features | Bulk Diesel Skid (BDS)

- Particulate filtration down to 3 microns utilizing Excellement™ synthetic Z media element
- Ensures protection of coalescing element from being damaged by excessive particulate matter
- Built-in test points, up and down-stream, make for easy sampling of diesel fuel

Markets / Application

- **Industrial**
- **Power Generation**
- **Bulk Oil Filtration**
- **Mining**
- **Agriculture**