Bulk Diesel Cart | BDC

**Coalescing Elements Patent Pending*

Introduction

The Bulk Diesel Coalescing Cart is a highly effective method for gross removal of microbial bloom contamination, rust, particulate and water from diesel fuels. The BDC is perfect for fuel tank polishing and single-pass transfer of diesel fuel held in large storage tanks. Water and particulate can be introduced during the transportation, delivery, and storage of diesel fuel. This water and particulate in a fuel system can cause increased wear and component failure. Water in fuel storage tanks causes rust and promotes microbial growth. Microbial growth in fuel storage systems can quickly overwhelm a fuel tank and can blind off fuel filters, shutting down engines or causing contamination to reach the fuel injectors. In addition, microscopic particulate can cause severe damage in today's HPCR (High Pressure Common Rail) fuel systems. The BDC Bulk Diesel Cart will protect critical equipment and components, starting with the management of the stored and dispensed diesel fuel.

The BDC is capable of handling flows of 25 or 70 gpm, and is ideal for stored fuel filtration and maintenance applications.

The Schroeder BDC uses three stage filtration, which includes a Size 2 bag filter to remove gross contamination, a 39" deep pleat, high efficiency particulate element at 3 or 1 micron, and a coalescing element, which is >95% efficient at removing free and emulsified water from diesel fuel, biodiesel, and biodiesel blends.

BDC39QPMLZ3VAVM

Technical Data

Flow Rating:	Up to 25 gpm (95L/min) or 70 gpm (265 L/min) for ULSD15 & biodiesel blends
Fluid Temperature Range:	-15°F to 150°F (-26°C to 66°C) standard 32°F to 150°F (0°C to 66°C) with AWD option -20°F to 150°F (-29°C to 66°C) with heater option
Bypass Setting:	Particulate: 20 psi (1.37 bar) Coalescing: 30 psi (2 bar)
Materials of Construction:	Porting Base: Anodized Aluminum Cap: Plated Steel Bag Housing: 304 Stainless Steel Particulate Filter Housing: Epoxy Paint w/ High-phos Electroless Nickel Plating (Standard) Coalescing Filter Housing: Epoxy Paint w/ High-phos Electroless Nickel Plating (Standard)
Weight:	25 gpm model - 785 lbs. (356 kg), 70 gpm model - contact factory
Element Change Clearance:	33.8" (858 mm)

Schroeder INDUSTRIES

Advanced Fluid Conditioning Solutions®

Proudly Manufactured In The United States

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Features and Benefits

- Advanced fuel / water separation media technology in a three-phase element construction for high efficiency, single-pass removal of free-water in Ultra-low Sulfur Diesel (ULSD) and biodiesel fuels
- Designed because prior generation coalescing methods no longer provide high efficiency water separation in ULSD and biodiesel
- Incorporates a bag element pre-filter, available from 1 to 200 micron, for gross removal of microbial bloom contamination and rust
- Real time fuel condition monitoring can be achieved while using the supplied test points and one of our contamination sensing products
- Pump motor is 115VAC with resettable overload and 7' power cord for 25 gpm models and available as 220V Single-Phase, 230V Three-Phase, or 460V Three-Phase for 70 gpm models
- Helps protect expensive, vital engine components against failures caused by contaminated fuel
- Great for kidney loop clean-up and single pass transfer in larger storage tanks

Markets / Application

- **Industrial**
- **Mobile Vehicles**
- **Marine**
- **Mining**
- **Agriculture**
- **Power Generation**
- **High Pressure Common Rail Injector Systems**
- **Fleet Vehicles**
- **Railroad**
- **Bulk Fuel Filtration**