

Bulk Diesel Filter | BDF1 & BDF2

**Coalescing Elements Patent Pending*

Introduction

The BDF1 and BDF2 provide exceptional single-pass diesel filtration and continuous water removal. The BDF1 and BDF2 protect the latest in high pressure, common rail diesel injectors. Both filters combine Schroeder's fully synthetic Excellement® Z-Media® in a particulate pre-filter, the KL3, with our patent-pending coalescing water removal filter, the ICF, to fully protect vital diesel engines from dirt and water. The BDF1 and BDF2 were designed expressly for customers who are looking for Advanced Fluid Conditioning Solutions® to protect their investment in Tier III and new Tier IV diesel engines. Long term savings and piece of mind come from implementing the latest fuel cleanliness standards and practices.

The BDF1, 16 gpm (61 L/min) and BDF2, 32 gpm (121 L/min), are ideal for fuel dispensing operations. The filters can be installed on the inlet or outlet of a diesel fueling dispenser or in-line, between the storage tank and the dispenser. The BDF1 is also perfect for generator sets in a single-pass or kidney loop installation. When emergency power is required, you cannot let fuel quality get in the way of reliable diesel generator operation.



BDF1VS16LEEPA



BDF2VS16LEEPA

Features

- Routine element change is only needed on KL3 particulate filter which saves time and money
- Particulate filtration at 1 or 3 microns utilizing Excellement® synthetic Z-Media® element for contamination control
- Optional electrical Dirt Alarm® with integrated, amber colored, particulate element change indicator light
- Patent-pending, three-phase, particulate and fuel/water separation media technology
- A revolutionary element designed for the highest single-pass water and particulate removal efficiencies in today's Ultra-low Sulfur Diesel (ULSD) fluids
- Protects expensive Tier III and Tier IV engine components against failures caused by water transferred from the bulk fuels tanks to the vehicle
- Allows users to achieve or exceed the particulate and water removal specifications of the injection system OEMs
- Previously acceptable industry standard products no longer provide the high-efficiency separation needed in today's ULSD fluids
- Housing design allows for field upgrade of any available option
- Anti-static media is standard for all coalescing elements
- Complete automation is achievable with fail-safe auto-drain feature using a remote 5 gallons (18L) or 20 gallons (75L) sump with alarm and auto shutdown

Schroeder
INDUSTRIES

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Technical Data

Flow Rating:	BDF1: up to 16 gpm (60 L/min) BDF2: up to 32 gpm (120 L/min)	
Inlet/Outlet Connection:	SAE 16 (1" Port)	
Max. Operating Pressure:	150 psi (10 bar)	
Temp. Range:	-20°F to 165°F (-29°C to 74°C) w/ optional water sump heater	
Bypass Setting:	<u>Particulate Filter</u> 30 psi (2 bar)	<u>Coalescing Filter</u> 15 psi (1 bar) Cracking 40 psi (3 bar)
Materials of Construction:	<u>Particulate Filter</u> Porting Head/Cap: Cast Aluminum Element Case: Steel	<u>Coalescing Filter</u> Porting Head/Cap: Anodized Aluminum Element Case: Epoxy Coating
Weight:	BDF1: Contact Factory	BDF2: Contact Factory
Element Change Clearance:	<u>Particulate Filter</u> 2.50" (64 mm)	<u>Coalescing Filter</u> With mounting bracket - 18" (457.2 mm) - Access from top (remove cap) Without mounting bracket - Access from below 2.5" (63.5 mm) (remove bowl)
Housing Sump:	32 oz (0.946 L)	
Optional Water Sump Heater:	120VAC, 1 x 45W (BDF1) / 2 x 45W (BDF2)	
Optional Electrical Indicator:	120VAC	

Markets / Applications

- Bulk Fuel Filtration
- Private Fleet Fuel Storage
- Emergency Generators
- Construction
- Oil and Gas
- Industrial
- Mobile Vehicles
- Marine
- Mining
- Agriculture

Fluid Compatibility

- ULSD15, low sulfur diesel and high sulfur diesel
- Biodiesel blends
- Synthetic diesel and blends
- No. 2 fuel oil and heating oil