## Bulk Diesel Fuel Skid BD \*Coalescing Elements Patent-Pending

# **Applications**





FLEET FILL / BULK FUEL TRANSFER



BULK FUEL UNLOADING



PROTECTION FOR HIGH-FLOW FUEL INJECTION SYSTEMS



KIDNEY LOOP / RECIRCULATION



## **Features and Benefits**

- Designed with integrated particulate removal pre-filtration for maximum coalescing filter element life in the downstream housing
- Sized for high flow or highly contaminated fluid applications
- Routine element change is only needed on Pre-filter (the particulate filter) which saves time and money
- Patent-pending, three-phase, particulate and fuel/water separation media technology
- A revolutionary element designed for the highest singlepass water and particulate removal efficiencies in today's ultra-low sulfur diesel (ULSD) fluids
- Protects expensive Tier 3 and Tier 4 engine components against failures caused by particulate and water transferred from the bulk fuel tank 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
- In applications >32°F (0°C) complete automation is achievable with a water in fuel sensor and fail-safe auto-drain feature using a remote 5 gallons (18L) or 20 gallons (75L) sump with alarm and auto shutdown
- Schroeder Anti-Static Pleat Media (ASP®) is standard for all coalescing elements

Model no. of filter in photograph is: BDS39QPMLZ3VVM

## Markets



INDUSTRIAL



POWER GENERATION



MOBILE VEHICLES



COMMON RAIL INJECTOR SYSTEMS



FLEET

MINING TECHNOLOGY

0



RAILROAD



#### AGRICULTURE



BULK FUEL





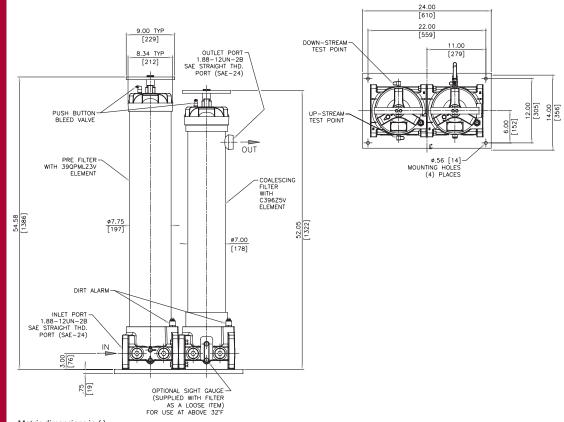
# **Bulk Diesel Fuel Skid**

## Filter Housing Specifications

Flow Rating:	Up to 70 gpm (265 L/min) for ULSD15	
Inlet/Outlet Connection:	-24 (ORB) SAE J1926	
Drain Connection Upper:	1/4" NPT Ball Valve	
Drain Connection Lower:	1/4" NPT Ball Valve	
Max. Operating Pressure:	100 psi (7 bar)	
Min. Yield Pressure:	400 psi (27.6 bar) without sight gauge	
	Contact factory for yield pressure rating with sight gauge	
Rated Fatigue Pressure:	Contact Factory	
Temperature range:	-20°F to 165°F (-29°C to 74°C) sump heater option	
	32°F to 165°F (0°C to 74°C) standard or AWD option	
Bypass Indication: (Lower indication options available)	<u>Particulate Filter</u> Particulate: 15 psi (1.03 bar)	<u>Coalescing Filter</u> Coalescing: 25 psi (1.7 bar)
Bypass Valve Cracking:	<u>Particulate Filter</u> Particulate: 20 psi (1.37 bar)	<u>Coalescing Filter</u> Coalescing: 30 psi (2 bar)
Materials of Construction:	<u>Particulate Filter</u> Porting Base: Anodized Aluminum	<u>Coalescing Filter</u> Porting Base: Anodized Aluminum
	Element Bowl: Epoxy Paint w/ High-phos Electroless Nickel Plating (Standard)	Element Bowl: Epoxy Paint w/ High-phos Electroless Nickel Plating (Standard)
	Cap: Plated Steel	Cap: Plated Steel
Weight:	441 Lbs. (200 kg)	
Element Change Clearance:	33.8″ (858 mm)	

#### NOTES:

Elements are sold with the housing

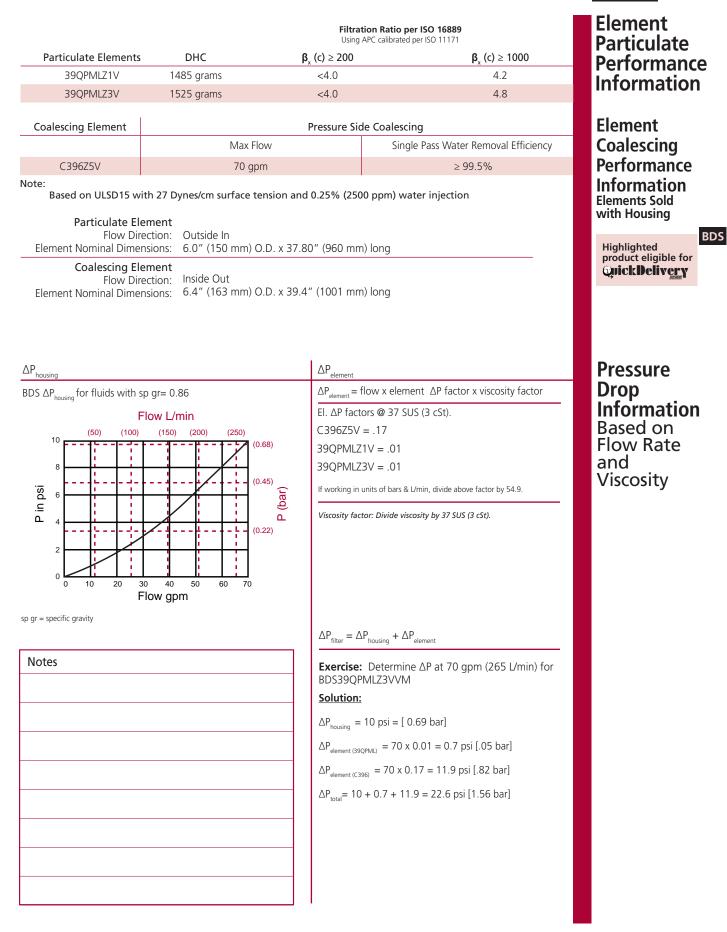


Metric dimensions in ( ).

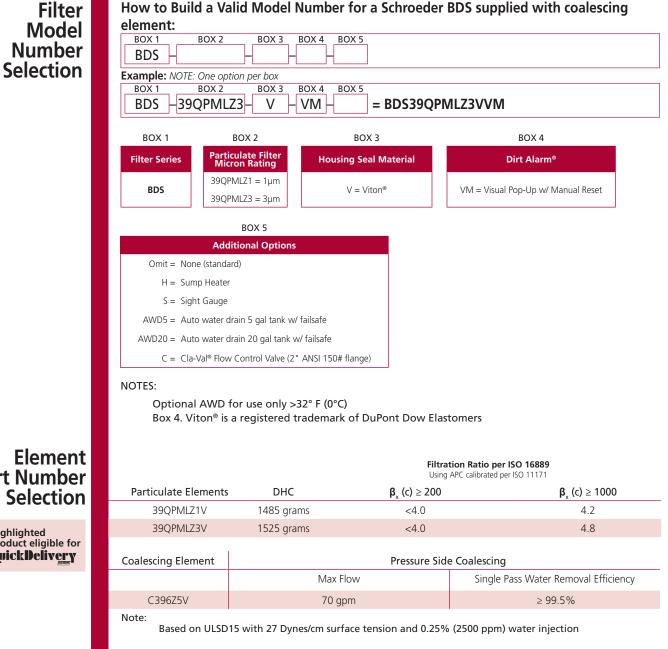
For complete dimensions please contact Schroeder Industries to request a certified print.

BDS

# **Bulk Diesel Fuel Skid**



# **Bulk Diesel Fuel Skid**



Particulate Element Flow Direction: Outside In **Element Nominal Dimensions:** 6.0" (150 mm) O.D. x 37.80" (960 mm) long **Coalescing Element** Inside Out Flow Direction:

Element Nominal Dimensions: 6.4" (163 mm) O.D. x 39.4" (1001 mm) long

### Fuel Oils

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

## Element **Part Number** Selection

Highlighted product eligible for QuickDelivery

### Fluid **Compatibility**