

## Applications



POINT OF USE FUEL DISPENSING



FLEET FILL / BULK FUEL TRANSFER



BULK FUEL UNLOADING



PROTECTION FOR HIGH-FLOW FUEL INJECTION SYSTEMS



BULK TANK KIDNEY LOOP / RECIRCULATION

### Application Introduction:

The BDFC is ideal for those wanting to maintain clean fuel in their bulk storage tanks. The new BDFC provides exceptional particulate filtration and continuous water removal with higher flow rates. The GHPF particulate pre-filter and GHCF coalescing water removal filters feature Schroeder Industries' GeoSeal® patented aftermarket solution, ensuring quality replacement elements are used with every element change. These elements use the fully synthetic Excellement Z-Media® and revolutionary coalescing media to fully protect vital diesel engine components from debris and water.

## Features and Benefits

- Designed with integrated particulate removal pre-filtration for maximum coalescing filter element life in the downstream housing
- Routine element change only needed on GHPF particulate filter, keeping operating costs low
- Patented GeoSeal® elements designed to provide consistent quality with the highest single-pass water and particulate removal efficiencies in today's ultra-low sulfur diesel (ULSD) fuels
- All-aluminum filter housings and plumbing components are fully compatible with diesel and biodiesel
- Sight glass, Y-strainer, and upstream/downstream test points included
- 10' clear suction hose and rubber discharge hose with cam-and-groove connections and 3' wands
- At just under 28" wide, this cart will fit through standard doorways
- Electric motor includes 120VAC with resettable overload and 7' power cord
- Latching, resettable pressure indicators trip at 5 psi before bypass valve cracking, providing early warning to the operator of when to change the filter element



Model no. of filter in photograph is: BDFC11GGZ3CG5VD525

14 gpm ICF  
53 L/min BDF

BDF

BDA

BDA

GHPF

GHPF

GHCF

QCF

BDS

BDS2

BDS3

BDS4

BDS4

LVH-F

LVH-C

**BDFC**

BDFP

BDC

HDP

HDPD

BCC

## Markets



INDUSTRIAL



MOBILE VEHICLES



MARINE



MINING TECHNOLOGY



AGRICULTURE



POWER GENERATION



COMMON RAIL INJECTOR SYSTEMS



FLEET



RAILROAD

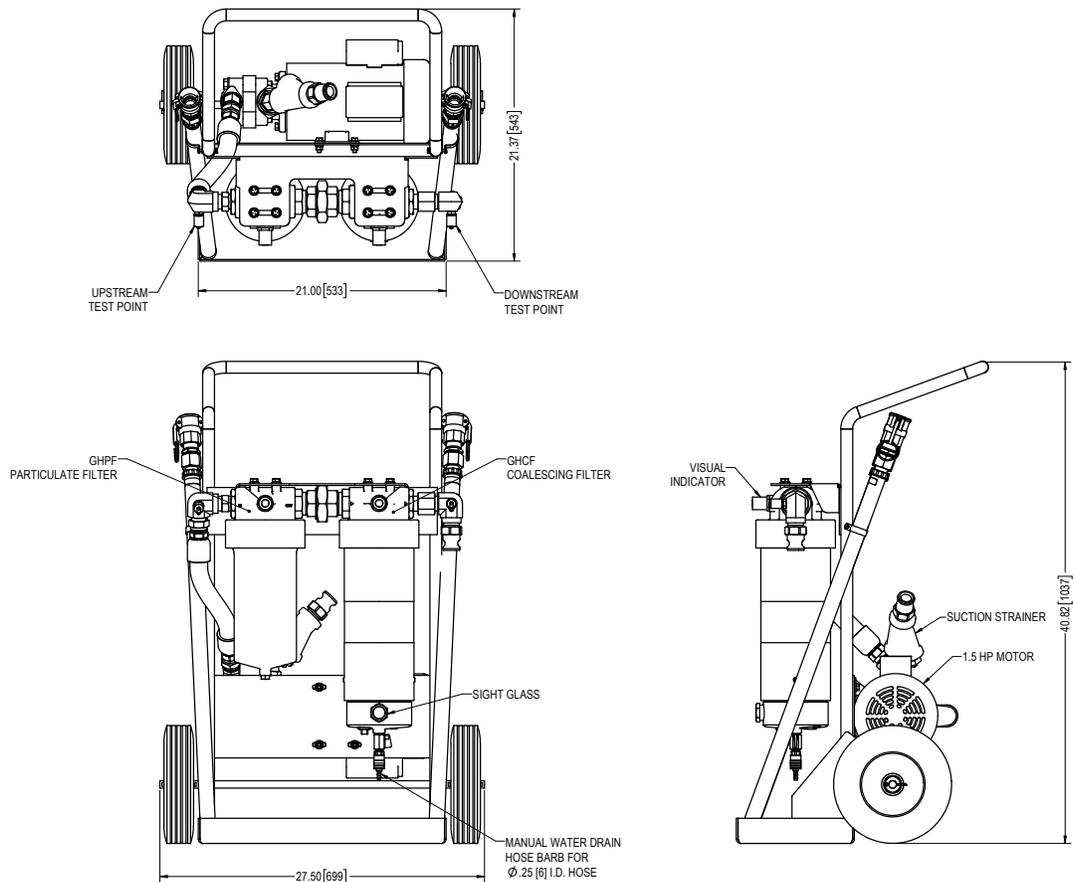


BULK FUEL FILTRATION

## Filter Housing Specifications

Flow Rating:	Up to 25 gpm (95 L/min) for ULSD15 & biodiesel blends	
Fluid Temperature Range:	32°F to 225°F (0°C to 107°C) Standard	
Ambient Environment Temperature Range:	-20°F to 104°F (-29°C to 40°C)	
Bypass Indication:	<b>Particulate Filter</b> Particulate: 35 psi (2.4 bar)	<b>Coalescing Filter</b> Coalescing: 35 psi (2.4 bar)
Bypass Valve Cracking:	<b>Particulate Filter</b> Particulate: 40 psi (2.8 bar)	<b>Coalescing Filter</b> Coalescing: 40 psi (2.8 bar)
Materials of Construction:	<b>Particulate Filter</b> Head: Cast Aluminum, Anodized Element Case: Aluminum, Anodized	<b>Coalescing Filter</b> Head: Cast Aluminum, Anodized Element Case: Aluminum, Anodized Sump: Cast Aluminum, Anodized
Weight:	131 lbs. (59.4 kg)	
Standard Operating Frequency & Phase:	60 Hz, Single Phase	
Full Load Amperage @ Operating Voltage:	13.4 A @ 115 VAC 7.2-6.7 A @ 208-230 VAC	
Service Factor Amperage @ Operating Voltage:	8.1-7.6 A @ 208-230 VAC	

## Dimensions



Metric dimensions in ( ).  
 Dimensions shown are inches [millimeters] for general information and overall envelope size only.  
 For complete dimensions please contact Schroeder Industries to request a certified print.

**Filtration Ratio per ISO 16889**  
Using APC calibrated per ISO 11171

Particulate Elements	DHC	$\beta_x (c) \geq 200$	$\beta_x (c) \geq 1000$
11GGZ1V	172 grams	<4.0	4.5
11GGZ3V	148 grams	4.6	5.8
11GGZ5V	174 grams	5.9	7.8
11GGZ10V	165 grams	11.4	13.2
11GGZ25V	164 grams	15.8	17.5

Coalescing Element	Pressure Side Coalescing	
	Max Flow	Single Pass Water Removal Efficiency
C125GZ5V	25 gpm	≥ 95%

**Note:** Based on ULSD15 with 27 Dynes/cm surface tension and 0.25% (2500 ppm) water injection

<p><b>Particulate Element</b> Flow Direction: Outside In Element Nominal Dimensions: 5.0" (27 mm) O.D. x 11" (279 mm) long</p>
<p><b>Coalescing Element</b> Flow Direction: Inside Out Element Nominal Dimensions: 5.0" (27 mm) O.D. x 12" (305 mm) long</p>

Notes

**Element Particulate Performance Information**

**Element Water Coalescing Performance Information**  
Particulate and Coalescing Elements Sold with Cart

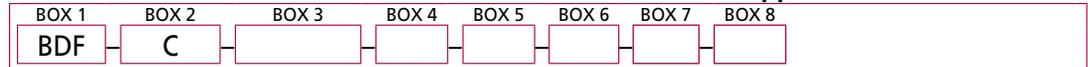
Highlighted product eligible for **QuickDelivery**

- ICF
- BDF
- BDFB
- BDA
- GHPF
- GHCF
- QCF
- BDS
- BDS2
- BDS3
- BDS4
- LVH-F
- LVH-C
- BDFC**
- BDFP
- BDC
- HDP
- HDPD
- BCC

## Filter Model Number Selection

Highlighted product eligible for **QuickDelivery**

### How to Build a Valid Model Number for a Schroeder BDFC Supplied with Elements:



Example: NOTE: One option per box



<b>BOX 1</b> <b>Filter Series</b> BDF	<b>BOX 2</b> <b>Configuration</b> C = Filter Cart	<b>BOX 3</b> <b>Particulate Filtration</b> 11GGZ1 = 1 µm 11GGZ3 = 3 µm	<b>BOX 4</b> <b>Coalescing Filtration</b> CG5 = C125GZ5V Coalescing Element
<b>BOX 5</b> <b>Seal Material</b> V = Viton®	<b>BOX 6</b> <b>Dirt Alarm®</b> D5 = Visual Pop-Up; Manual Reset	<b>BOX 7</b> <b>Options</b> Omit = Included Sight Glass, Y-Strainer & Upstream / Downstream Test Points I = Water-In-Fuel (WIF) Sensor w/ Indicator Light	
<b>BOX 8</b> <b>Pump Sizing and Configuration</b>			
14 = 14 gpm 120VAC 60 Hz Single-Phase		16A = 16 gpm Air Driven	
25 = 25 gpm 120VAC 60 Hz Single-Phase		25A = 25 gpm Air Driven	

#### NOTES:

For 50Hz applications, contact factory

Box 5. Viton® is a registered trademark of DuPont Dow Elastomers

Box 7. "I" option is only available with electric motor configurations

## Element Part Number Selection

Highlighted product eligible for **QuickDelivery**

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#### Particulate Element

Flow Direction: Outside In

Element Nominal Dimensions: 5.0" (27 mm) O.D. x 11" (279 mm) long

#### Coalescing Element

Flow Direction: Inside Out

Element Nominal Dimensions: 5.0" (27 mm) O.D. x 12" (305 mm) long

## Fluid Compatibility

#### Fuel Oils

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