

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 or 25 gpm^{ICF}

53 or 95 L/min^{DF}

BDA

GHPF

GHCF

QCF

BDS

BDS2

BDS3

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

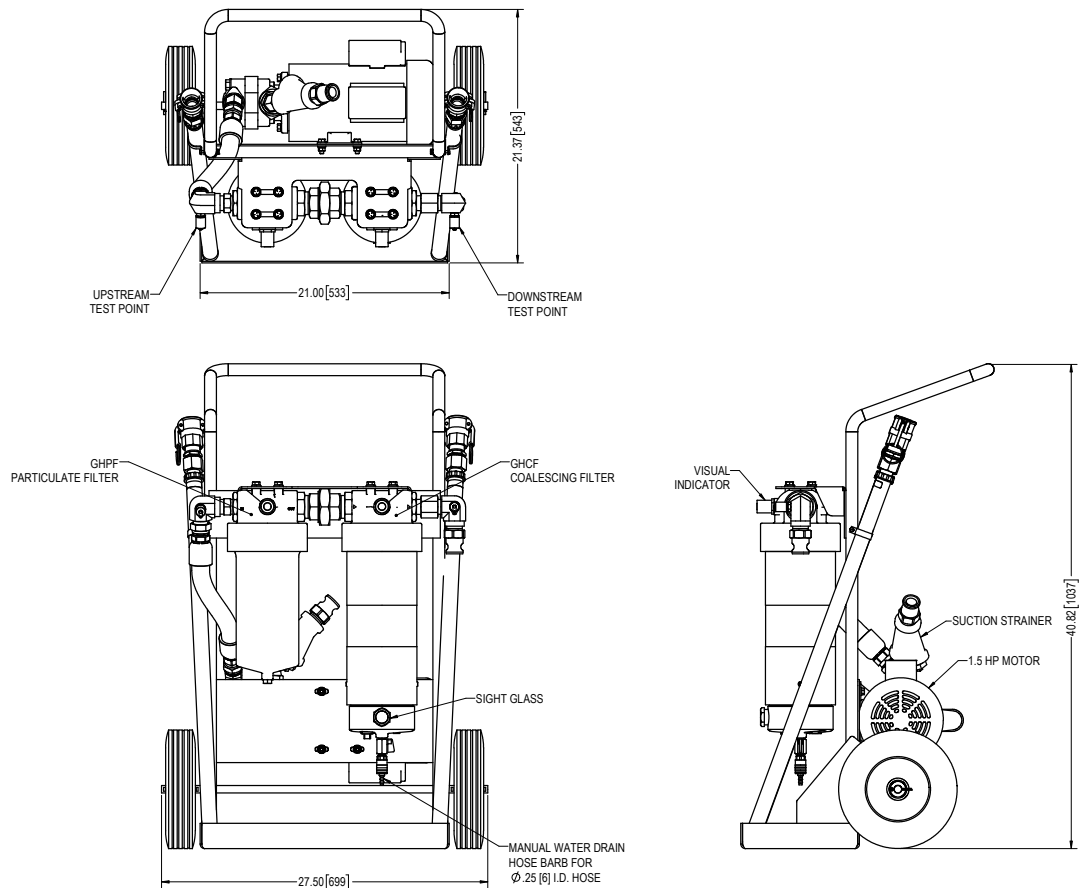


BULK FUEL
FILTRATION

Filter Housing Specifications

Flow Rating:	Electric Motor Option: 14 gpm or 25 gpm (53 L/min or 95 L/min) Air Operated Option: 16 gpm or 25 gpm (61 L/min or 95 L/min)	
Ambient Environment Temperature Range:	-20°F to 104°F (-29°C to 40°C)	
Bypass Indication:	Particulate Filter Particulate: 35 psi (2.4 bar)	Coalescing Filter Coalescing: 35 psi (2.4 bar)
Bypass Valve Cracking:	Particulate Filter Particulate: 40 psi (2.8 bar)	Coalescing Filter Coalescing: 40 psi (2.8 bar)
Materials of Construction:	Particulate Filter Head: Cast Aluminum, Anodized Element Case: Aluminum, Anodized	Coalescing Filter 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

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

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

Notes

Element Particulate Performance Information

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

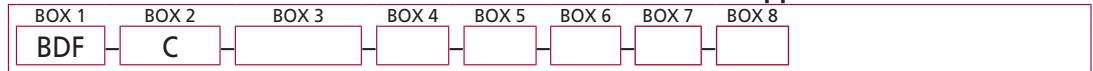
Highlighted product eligible for **QuickDelivery**

- ICF
- BDF
- 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



BOX 1	BOX 2	BOX 3	BOX 4
Filter Series	Configuration	Particulate Filtration	Coalescing Filtration
BDF	C = Filter Cart	11GGZ1 = 1 µm 11GGZ3 = 3 µm	CG5 = C 125GZ5V Coalescing Element
BOX 5	BOX 6	BOX 7	BOX 8
Seal Material	Dirt Alarm®	Options	Pump Sizing and Configuration
V = Viton®	D5 = Visual Pop-Up; Manual Reset	Omit = Included Sight Glass, Y-Strainer & Upstream / Downstream Test Points I = Water-In-Fuel (WIF) Sensor w/ Indicator Light	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**

Particulate Elements	DHC(g)	Filtration Ratio per ISO 16889 Using APC calibrated per ISO 11171	
		$\beta_x(c) \geq 200$	$\beta_x(c) \geq 1000$
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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