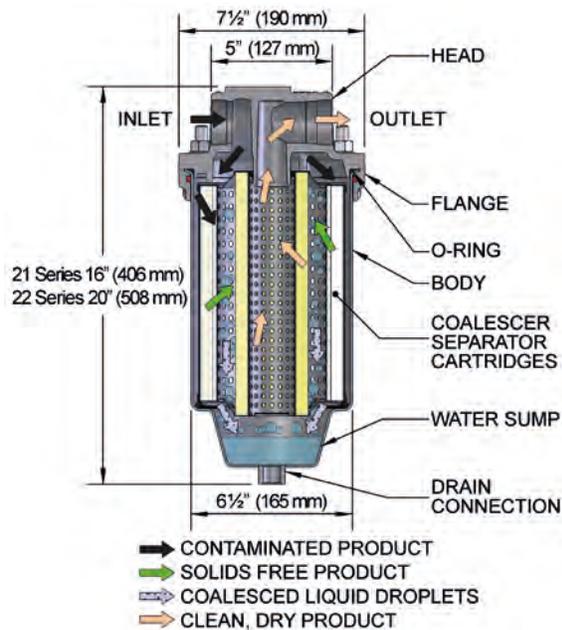


Fuel-Gard® VF-21SB/22SB Filter Water Separator



The Facet VF-21SB/22SB, when configured as a filter water separator, is an economical, compact housing designed to remove water and solids from aviation fuels.

Both interior and exterior surfaces of the carbon steel body are epoxy coated to protect against corrosion.

This sturdy, single cartridge housing is easy to maintain and requires only 2" (51 mm) base clearance for cartridge change out.

Standard Housing Design

- Carbon steel body
- Aluminum head
- Epoxy coated internally and externally
- 150 psi (10.3 bar) design pressure
- Swing bolt quick open closure
- Buna-N o-ring closure gasket
- Vent and drain connections w/ brass petcocks provided
- 1½" NPT inlet and outlet connections

VESSEL OPTIONS

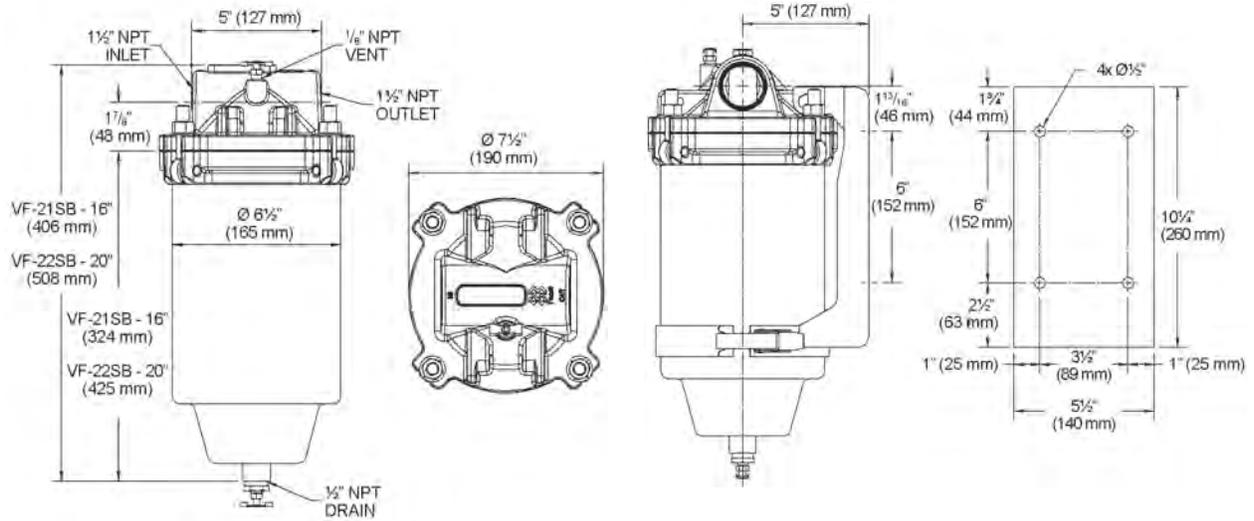
MODEL	DESCRIPTION
VF-21SB	Housing only
VF-21SB-PG	Housing w/ Direct Reading Differential Pressure Gauge
VF-21SB-PGS	Housing w/ Direct Reading Differential Pressure Gauge & Sight Glass (not for Avgas 100 LL)
VF-21SB-PGWP	Housing w/ Direct Reading Differential Pressure Gauge & ¾" NPT Coupling for Water Probe
VF-21SB-S	Housing w/ Sight Glass (not for Avgas 100 LL)
VF-21SB-WP	Housing w/ ¾" NPT Coupling for Water Probe
VF-21SB-PG2	Housing with 1/8" NPT thread connection to accommodate an external differential pressure gauge (supplied by others)
VF-22SB	Housing only
VF-22SB-PG	Housing w/ Direct Reading Differential Pressure Gauge
VF-22SB-PGS	Housing w/ Direct Reading Differential Pressure Gauge & Sight Glass (not for Avgas 100 LL)
VF-22SB-PGWP	Housing w/ Direct Reading Differential Pressure Gauge & ¾" NPT Coupling for Water Probe
VF-22SB-S	Housing w/ Sight Glass (not for Avgas 100 LL)
VF-22SB-WP	Housing w/ ¾" NPT Coupling for Water Probe
VF-22SB-PG2	Housing with 1/8" NPT connection to accommodate an external differential pressure gauge (supplied by others)
VF-22SB-PG2WP	Housing w/ 1/8" NPT thread to accept compatible Gammon or Schultz DP Pressure Gauge & ¾" NPT Coupling for Water Probe
644160	Mounting Bracket
644964	Grounding Cable
606521	Closure O-Ring

Differential Pressure Indicator -
The piston-type differential pressure indicator provides a simple visual warning. When 15 psi (1.03 bar) differential pressure is reached, the gauge indicator moves from green to red zone. This warning will prevent premature cartridge change-out.

Water Sight Glass - The water sight glass provides an easy means to detect water in the sump. The weighted ball, visible in the sight glass, will float only when water is present. The floating ball is an indication water should be drained from the housing to prevent both cartridge contamination and water traveling downstream from the housing. Not for Avgas 100 LL.

ACCORDING TO THE REQUIREMENTS OF EUROPEAN PRESSURE EQUIPMENT DIRECTIVE (PED) 2014/68/EU ART. 4.3, WITHIN THE OPERATING LIMITS PROVIDED ON VESSEL NAMEPLATE AND SUMMARIZED BELOW, THESE FILTERS ARE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE SOUND ENGINEERING PRACTICE AND EXEMPT FROM CE MARKING AND CERTIFICATION: 10 BAR(G) @ 35°C FOR AV-GAS AND JET FUEL.

Fuel-Gard® VF-21SB/22SB Filter Water Separator



Optional Mounting Bracket

Fuel-Gard® VF-21SB/22SB Microfilter



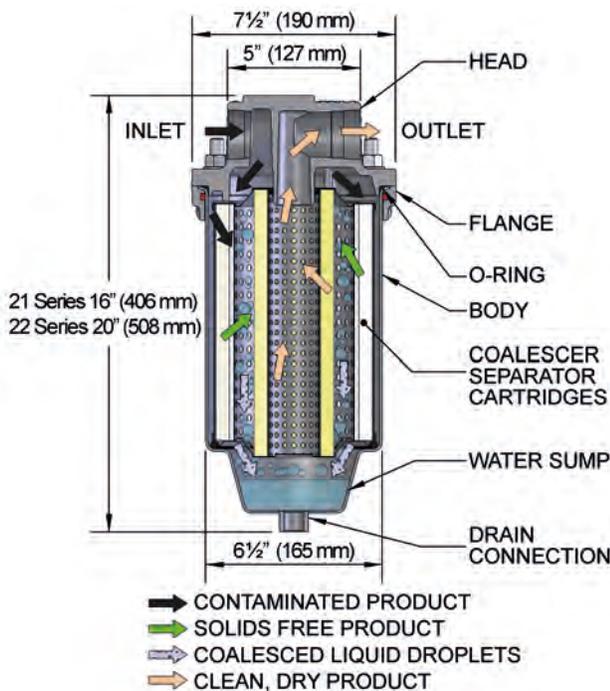
The Facet VF-21SB/22SB can be used as a filter housing. They are versatile, compact, light weight housings and provide superior in-line filtration protection. Both interior and exterior surfaces of the carbon steel body are epoxy coated to protect against corrosion. This sturdy, single cartridge housing is easy to maintain and requires only 2" (51 mm) base clearance for cartridge change out.

Standard Housing Design

- Body: Carbon steel
- Aluminum Head
- Interior and exterior: Epoxy coated
- Design pressure: 150 psi (10.3 bar)
- Closure: Swing-bolt
- Closure seal: Buna-N o-ring—other materials available upon request
- Vent and drain connections with brass petcocks provided
- Inlet and outlet connections: 1½" NPT female threaded
- One filter cartridge installed

VESSEL OPTIONS

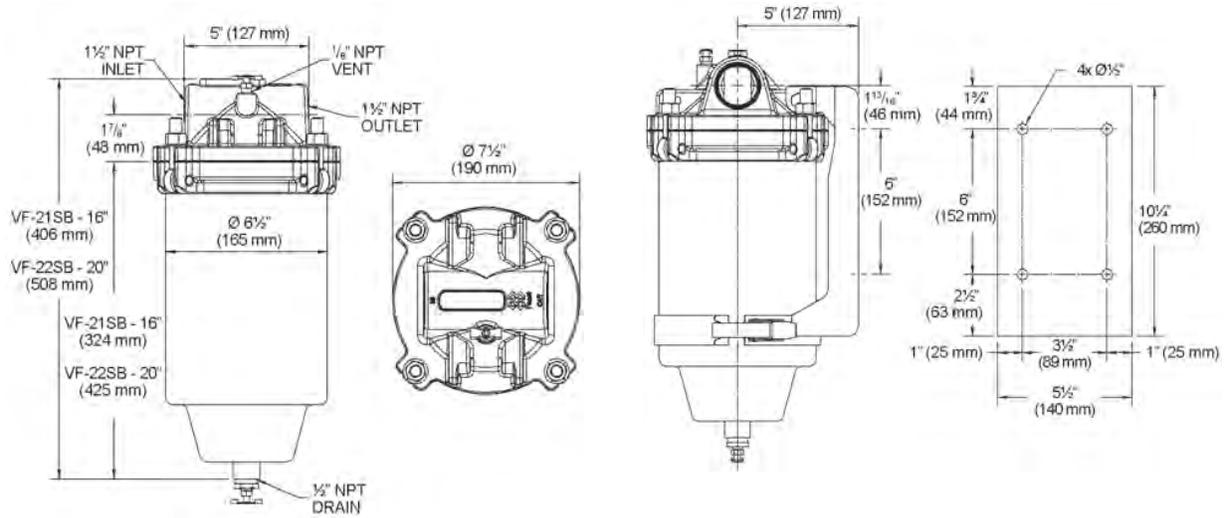
MODEL	DESCRIPTION
VF-21SB	Housing only
VF-21SB-PG	Housing w/ Direct Reading Differential Pressure Gauge
VF-21SB-PG2	Housing with 1/8" NPT connection to accommodate an external differential pressure gauge (supplied by others)
VF-22SB	Housing only
VF-22SB-PG	Housing w/ Direct Reading Differential Pressure Gauge
VF-22SB-PG2	Housing with 1/8" NPT connection to accommodate an external differential pressure gauge (supplied by others)
644160	Mounting Bracket
644964	Grounding Cable
606521	Closure O-Ring



Differential Pressure Indicator - The piston-type differential pressure indicator provides a simple visual warning. When 15 psi (1.03 bar) differential pressure is reached, the gauge indicator moves from green to red zone. This warning will prevent premature cartridge change-out.

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Fuel-Gard® VF-21SB/22SB Filter



Optional Mounting Bracket

Fuel-Gard® VF-21SB/22SB Optional Bonding Kit



The purpose of this bonding kit is to lessen the potential for static charge build up in the metal body of these vessels. This kit will allow the bowl, previously isolated because of the epoxy powder coating, to be bonded to system piping. One end of the bonding wire consists of a clamp that tightens onto the 1-1/2" piping. The other end has a heavy duty spring clamp that can be attached to the drain line valve. Remember if placing either end on a painted surface to scratch down to bare metal to allow contact.

This kit, part # 644964 can be purchased separately for existing vessels.

