

Small Filter Housings

VF-61, VF-61E, VF-62

Clean Dry Fuels with High Performance

Aquacon[®] Filter Cartridges

FEATURES

- Free and emulsified water to less than 5 ppm
- 1/2 micrometer particulate removal
- Provides protection against “slugs” of water
- Pressure increase signals cartridge change
- Use with existing filter housings

APPLICATIONS

- Jet Fuel
- Avgas
- Kerosene
- Gasoline

NOTE: For non-EI qualified applications. Housing does not meet EI1596 or EI1581 qualifications.



VF-61
with Optional
DP Gauge

VF-61E
with Band
Clamp Closure

VF-62
with Optional
Hand Knobs

DESCRIPTION

The VF-61, VF-61E, and VF-62 are versatile filter housings designed for use with several different high performance **Aquacon** filter cartridges, as well as a variety of paper filters and coalescer/separator cartridges.

Aquacon cartridges filter out water by chemically locking it into layers of super-absorbent media. Water removal efficiency is not

affected by common surfactants or additives. Water capacity is as much as 1-½ quarts, depending on the flow rate. These cartridges also effectively filter out dirt, rust and other particulates. (See caution)

As a cartridge reaches its water-holding limit, the media expands very rapidly and restricts the flow. For oils and other high viscosity liquids, the pressure drop will

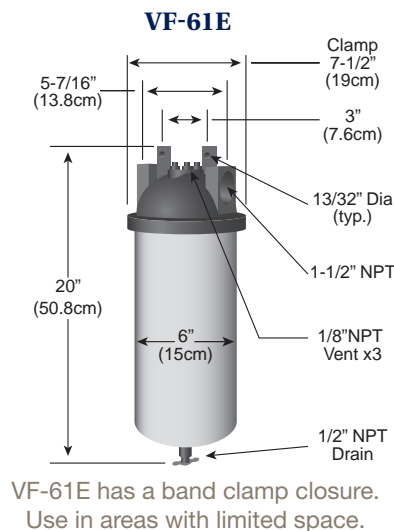
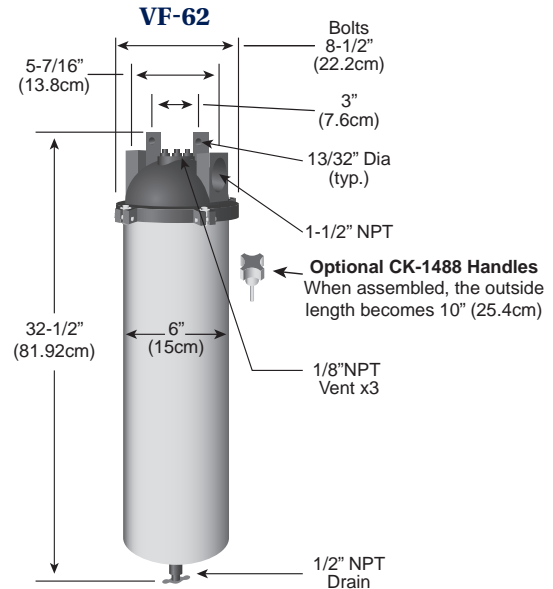
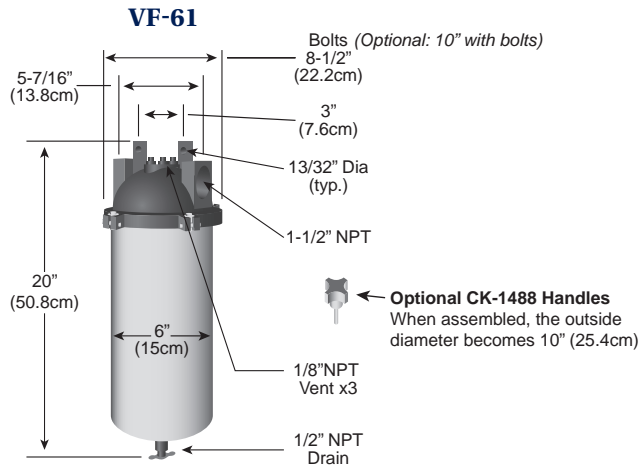
rapidly increase, signaling the need to change cartridges.

The VF-61, with ACO series cartridges installed, has become the standard for low flow rate full flow aviation fuel monitor applications.

Use the VF-61E with band clamp closure for areas with limited space.

DIMENSIONAL DRAWINGS

Drawings are not to scale. Dimensions are shown for estimating purposes only. Allow 6 inches (15.2 cm) below the vessel to safely remove the vessel to gain access to the cartridge.



FILTER CARTRIDGE SELECTION

	Product being filtered	Application	Cartridge P/N	Type	Micron	Flow Rate (GPM)
VF-61, VF-61E	Jet Fuel & Avgas ⁽¹⁾	Dirt & Free water	ACO-512P3R	Aquacon	0.3	5-50
			ACO-51201R		0.5	5-50
			OS-51288	Coalescer/ Separator	0.5	Jet: 5-35, Avgas: 5-45
	ALL	Dirt	FO-512PL1/2	Paper Filter	0.5	Fuels: 5-50
FO-512PL05			5			
FO-512PL25			25			
VF-62	Jet Fuel & Avgas ⁽¹⁾	Dirt & Free water	ACO-52401R	Aquacon	0.5	10-100
			FO-524PL1/2		Paper Filter	0.5
	FO-524PL05	5				
	FO-524PL25	25				

(1) Always install a differential pressure gauge or other means of determining differential pressure. Please consult installation instructions and operating procedures that accompany products for more detailed information.

OVER PRESSURE PROTECTION

When exposed to a high concentration of water, the differential pressure across an absorbent cartridge (AC, ACO, AD, or ASL Series cartridges) will immediately increase. Pressure bypasses or other means to limit the inlet pressure to 75 psi (5 bar) should be installed to prevent cartridge from collapsing.

CAUTION

To protect the fuel system, including the filter housing & other components, be sure to install pressure relief valve(s).

Do not use **Aquacon**[®] absorbent cartridges (AC, ACO, AD or ASL Series) with pre-mixed jet fuel containing anti-icing additives, or with gasoline/alcohol blends.