



Filtertechnik

Filtration, Purification &
Separation Solutions

Diesel Fuel Filters

VF-31E, VF-61

Eliminate water-in-fuel problems at the dispenser

Aquacon[®] super-absorbent filter cartridges...

TAKE-OUT harmful levels of free and emulsified water from diesel fuel.

LOCK-IN filtered water. It's chemically bound to the cartridge's super-absorbent inner media and can't be squeezed out!

SHUT-OFF the flow of water-laden fuel and prevent it from passing through the filter. When a cartridge reaches its water holding limit, the accordion pleats swell up and flow rate is reduced. This signals the operator to change the cartridge.

Aquacon filtration eliminates water-in-fuel problems by removing water before it gets into the vehicle fuel tank. A single inexpensive housing and replaceable cartridge in the main fuel line between storage tank and fueling nozzle does the job.

Aquacon removes particulates too. The unique patented construction incorporates an outer media layer for filtering silt, rust, and other particulate contaminants while the inner super-absorbent media eliminates the water.

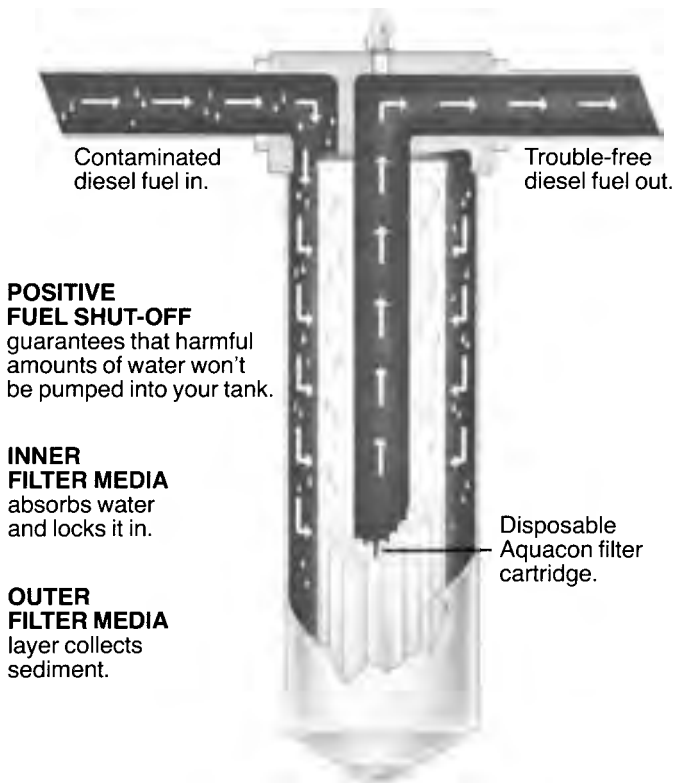
AD Series **Aquacon** Cartridges were developed in cooperation with a major oil company and are recommended for most diesel fuel applications. They offer a balance of effective water and dirt removal with lower cost and longer use time than the ultra-high performance AC series cartridges used in aviation applications. Typical AD effluent water levels are below 50 parts per million with a nominal particulate filtration efficiency of 25 micrometers.

The larger VF-61 50 gpm housing with AD-51225 Filter Cartridge is the more cost effective of the two filter assemblies. It is recommended for most applications. The smaller VF-31E 15 gpm housing with AD-21025 Cartridge is available for installations where throughput is low or space is limited.

WARNING: Absorbent-type monitor cartridges will not remove water from fuel containing alcohol-blending agents (commonly called gasohol). For removal of solids, please use Velcon particle removal filters specifically made for gasohol. Consult your Velcon representative.



Aquacon absorbs water from diesel fuel and chemically locks it in...



PLEASE NOTE: Other filter cartridges are available for use with the VF-61 and VF-31E housings. They were developed specifically for aviation fuels, gasoline, hydraulic oil, and other hydrocarbon products. Contact your distributor for details.

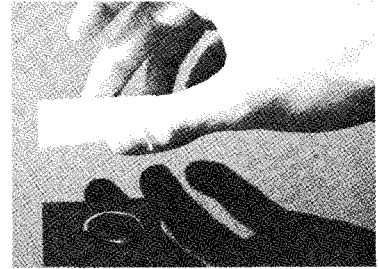
SPECIFICATIONS

General: Both filter housings have aluminum heads and external epoxy painted steel shells.

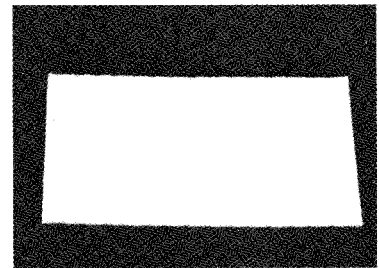
	VF-61	VF-31E
Maximum Flow Rate (diesel):	50 gpm (189 l/min.)	15 gpm (57 l/min.)
Maximum Operating Pressure:	150 psi (10 bar)	150 psi (10 bar)
Shipping Weight:	10 lbs. (4.5 kg)	5 lbs. (2.3 kg)
Height:	18½" (47 cm)	13½" (34 cm)
Inlet/Outlet Connection:	1½" NPT	1" NPT
Inlet/Outlet Face-to-Face:	7½" (19 cm)	4" (10 cm)
Lid Gasket, Buna-N, Model:	G-0986	G-0995
Cartridge Model (one required):	AD-51225	AD-21025
Bottom Drain:	½" Petcock	Plug

You can't squeeze it out! Prove it with the "squeeze test."

1 Pour a small pool of water, about the size of a quarter, onto a smooth surface.



2 Place one of the media samples directly on top of the water. Note how the media swells as it absorbs and "locks-in" the water.



3 Next, place the media sample between thumb and forefinger and squeeze – as hard as you wish. No free water is liberated.



Media samples are available on request

ORDERING INFORMATION

Specify: Model VF-61 Filter Housing and one each AD-51225 **Aquacon** Cartridge.

Or: Model VF-31E Filter Housing and one each AD-21025 **Aquacon** Cartridge.

Recommended Spares: One spare Lid Gasket and from 4 to 12 extra cartridges depending on throughput.

PLEASE NOTE:

The VF-61 is shipped empty with lid gasket installed. AD-51225 Cartridge must be ordered separately.

The VF-31E is shipped empty with lid gasket installed. AD-21025 Cartridge must be ordered separately.



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