

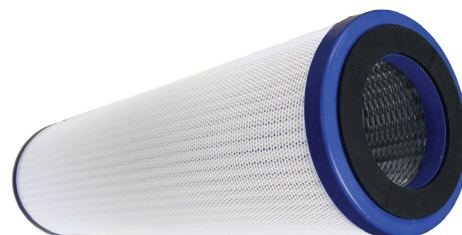
# Aquacon<sup>®</sup> - AD Series

## Particulate Filtration & Water Removal

### Diesel and Biodiesel (FAME) Protection from Particulate and Water Contaminants

Even when the utmost care is taken, contaminants will be introduced as fuel is transported from the refinery to its point-of-use. Common contaminants, including pipe scale, silica, metal debris and water, can quickly deteriorate fuel cleanliness far beyond engine manufacturer's minimum requirements for fuel cleanliness.

Parker's Aquacon Diesel (AD) filters can remove both particulate and water contaminants in fuels to meet stringent downstream ISO 4406 and ASTM D975 cleanliness standards for both diesel or biodiesel fuels. The AD design incorporates multiple layers of both high efficiency long-life particulate retention and water absorbing media.



### Water Absorbance Versus Water Coalescing

AD filters are designed to remove both water and particulates from either diesel or biodiesel fuels. AD filters are ideal for use in biodiesel and blended fuels where high levels of surfactants (glycerin) could disrupt water coalescing. When continual removal of water from petroleum based fuel is required, the application of coalescing technology is optimal or preferred.

#### Tiered Ratings

- Parker's 2 or 5 micron rated AD filters are excellent solutions for delivering fuel ready for dispensing while assuring both ISO 4406 and ASTM D975 cleanliness levels are consistently met. Each progressively tighter AD filter rating adds additional particle removal capability and lowers ISO 4406 particle counts
- The 10 and 25 micron rated filters are ideal for managing fuel contamination entering and leaving terminal storage tanks throughout the fuel transfer process

#### Benefits

- More reliable fuel injector performance by reducing particulate which can cause cascading damages
- Reduced operating costs due to repair of equipment damaged by particulate and water contaminants
- Reduced engine maintenance due to fewer components being damaged by contaminants
- More efficient fuel consumption due to fewer inhibiting particulate and water contaminants
- Removes free aqueous contaminants from fuel
- Aquacon - AD series elements are recommended for Biodiesel blends over 5% (B5)

# Aquacon® - AD Series

## Specifications

- All filter components compatible with diesel and biodiesel blends
- Recommended change out pressure: 25 psid (1.7 bar)
- Water absorbance and particulate retention will increase differential pressure to the change out pressure
- Nitrile sealing materials are standard
- All AD products will remove free and emulsified water from both diesel and biodiesel fuels to levels below 50 ppm
- The water absorbing technology used in AD filters is not effective in the presence of fuels containing high concentrations of alcohol
- Nitrile sealing materials are standard
- Maximum Operating Temperature: 150°F (65°C)
- End cap configuration options
  - Double open end
  - Threaded base
- Maximum burst pressure
  - 75 psi (5.2 bar)
- pH range (continuous operation)
  - 5-9

## Element Part Numbers

Part Number	Inside Diam (inch)	Outside Diam (inch)	Length (inch)	Micron Rating (µm)	End Cap Configuration
AD-5122	3	5.625	12.25	2	Open End
AD-5125	3	5.625	12.25	5	Open End
AD-51210	3	5.625	12.25	10	Open End
AD-51225	3	5.625	12.25	25	Open End
AD-5242	3	5.625	24.5	2	Open End
AD-5245	3	5.625	24.5	5	Open End
AD-52410	3	5.625	24.5	10	Open End
AD-52425	3	5.625	24.5	25	Open End
AD-6142	3.5	6	14.5	2	Open End
AD-6145	3.5	6	14.5	5	Open End
AD-61410	3.5	6	14.5	10	Open End
AD-61425	3.5	6	14.5	25	Open End
AD-6292	3.5	6	29	2	Open End
AD-6292TB	3.5	6	29	2	Threaded Base
AD-6295	3.5	6	29	5	Open End
AD-6295TB	3.5	6	29	5	Threaded Base

Part Number	Inside Diam (inch)	Outside Diam (inch)	Length (inch)	Micron Rating (µm)	End Cap Configuration
AD-62910	3.5	6	29	10	Open End
AD-62910TB	3.5	6	29	10	Threaded Base
AD-62925	3.5	6	29	25	Open End
AD-62925TB	3.5	6	29	25	Threaded Base
AD-6442	3.5	6	44	2	Open End
AD-6442TB	3.5	6	44	2	Threaded Base
AD-6445	3.5	6	44	5	Open End
AD-6445TB	3.5	6	44	5	Threaded Base
AD-64410	3.5	6	44	10	Open End
AD-64410TB	3.5	6	44	10	Threaded Base
AD-64425	3.5	6	44	25	Open End
AD-64425TB	3.5	6	44	25	Threaded Base
AD-6562TB	3.5	6	56	2	Threaded Base
AD-6565TB	3.5	6	56	5	Threaded Base
AD-65610TB	3.5	6	56	10	Threaded Base
AD-65625TB	3.5	6	56	25	Threaded Base

# DVF61/62 Series

## Vertical Filter Housings

### For Use with AD-5 & DFO-5 Elements

These versatile housings are designed to meet various requirements: a fuel particulate filter, water absorption filter or a fuel polisher. Ideal for fuel dispensing applications.

The DVF61/62 filter assemblies are designed to meet the toughest hydrocarbon refueling conditions and are designed for easy element changeouts. Assemblies can be used on mobile refuelers or installed in refueling cabinets. These units can also be used for diesel fuel dispensing pumps, primary fuel filter/water elements of today's high pressure common-rail diesel injection systems, the DVF61/62 filter is used for fuel dispensing pumps or as a primary fuel filter/water absorber on large diesel engine applications.

DVF61/62 series filter assemblies were designed to meet the toughest conditions and offer ease of filter change outs. Featuring a band clamp closure, the DVF61 is ideal for limited space. The 4 swing bolt design of the DVF62 secures the head to the bowl.



DVF61

DVF62

### Filter Assemblies

Part Number	Description
DVF61	Filter housing using 12" element length
DVF62	Filter housing using 24" element length

### Replacement Elements

Type / Media		
Particulate	DVF-61	DVF-62
5 micron	DFO-512PLF5	DFO-524PLF5
10 micron	DFO-512PLF10	DFO-524PLF10
25 micron	DFO-512PLF25	DFO-524PLF25
Water Removal - Absorbing	DVF-61	DVF-62
2 micron	AD-5122	AD-5242
5 micron	AD-5125	AD-5245
10 micron	AD-51210	AD-52410
25 micron	AD-51225	AD-52425

### Accessories

Part Number	Description
554Y020	Ball Valve, 1/2" NPT, Carbon Steel
CK-1488	Quick Release Hand Bolts (DVF62 only)
10678	Differential Pressure Gauge
G-0986	Cover Gasket, Nitrile
G-0986A	Cover Gasket, Fluorocarbon

