

Aquacon® AC Series

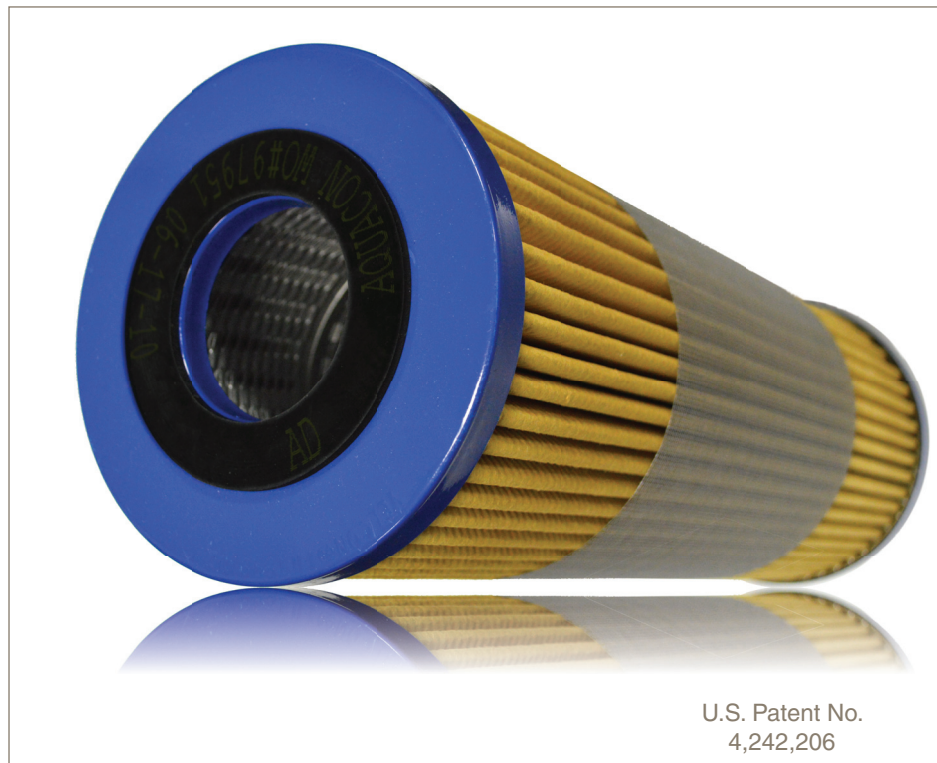
Remove Water and Dirt from Oils, Fuels and Gases



BENEFITS

- Removes free and emulsified water to less than 2 ppm
- Differential pressure increase alerts operator to change cartridges
- Effectively filters silt and other particulates
- No media migration or “linting”
- Easy to install and remove
- Does not affect oil additives
- Fits standard filter housings

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.



U.S. Patent No.
4,242,206

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TECHNICAL INFORMATION

- Maximum operating temperature is 250°F.
- Aquacon Cartridges will shut off flow when loaded with water or dirt. Appropriate precautions should be taken in critical applications where oil flow must be maintained.
- With some lube and hydraulic oils all of the water may not be removed in one pass, and extra passes will be required for total removal.
- Water capacity for the AC-718 cartridges ranges from 2 to 4 quarts.

APPLICATIONS

- Gasoline
- Hydraulic Oil
- Kerosene
- Turbine Lube Oil
- Diesel Fuel
- Quench Oil
- Insulating Oil
- Synthetic Oil
- Biodiesel
- Phosphate Ester Oil



ENGINEERING YOUR SUCCESS.

Aquacon® Cartridges have a patented* construction for removing dirt and water from hydrocarbon and other oils as well as gases. The outer media layer filters out

silt, rust and other particulate contaminants. The inner layers absorb water and chemically bond it so that no water will release downstream.

When the **Aquacon** Cartridge reaches its water holding limit, the media swells shut and the differential pressure rapidly increases. This signals the operator that the cartridge must be changed.

CARTRIDGE INFORMATION

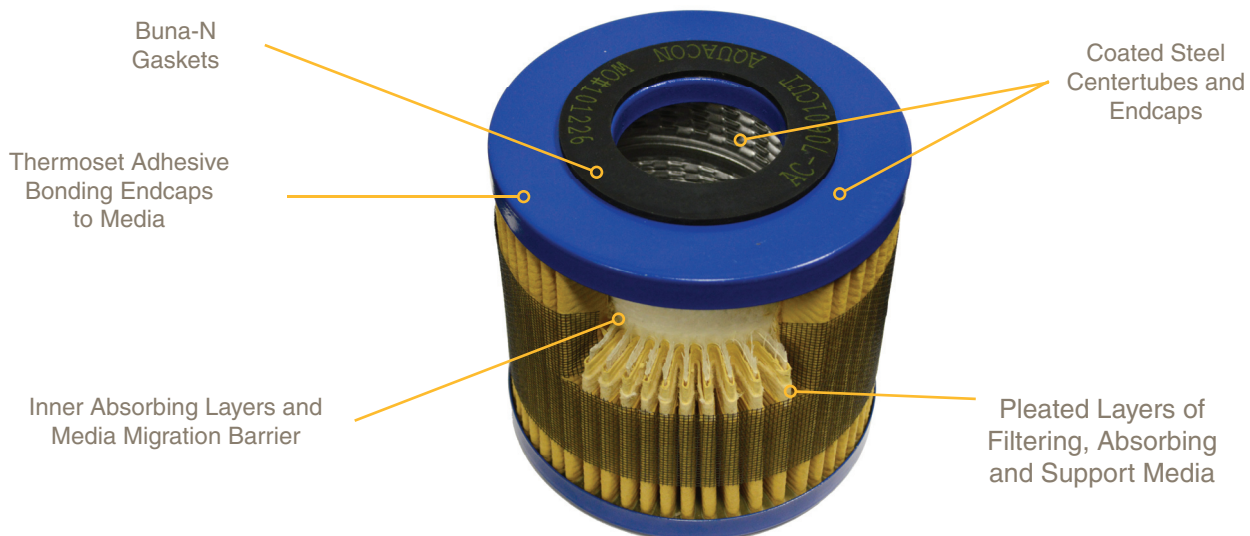
New types of Aquacon® Cartridges are being introduced continually. Contact your local Velcon Representative for up-to-date information.

Model Number	Micrometer Reading		I.D. Inches	O.D. Inches	Length Inches	Collapse Pressure, psi	Interchange Information
	Normal	Beta _x = 75					
AC-21005 ⁽¹⁾	5	40	1	2 5/8	9 3/4	75	Fits Velcon VF-31 Housings
AC-5121/2E ⁽²⁾	0.5	3	1 7/8	5 5/8	12 1/8	75	Fits Velcon VF-61 Housings
AC-51205	5	40	1 7/8	5 5/8	12 1/8	75	Fits Velcon VF-62 Housings
AC-52405	5	40	1 7/8	5 5/8	24 1/2	75	Interchanges with Velcon FO-614PLF, FO-629PLF, and FO-644PLF Series Cartridges
AC-61405	5	40	3 1/2	6	14 1/2	100	
AC-62905	5	40	3 1/2	6	29 1/2	100	
AC-64405	5	40	3 1/2	6	44	100	
AC-718P3 ⁽²⁾	0.3	2	2 9/16	6 1/4	18	75	
AC-718P4D	0.4	2.5	2 9/16	6 1/4	18	75	
AC-7181/2 ⁽²⁾	0.5	3	2 9/16	6 1/4	18	75	
AC-71801	1	6	2 9/16	6 1/4	18	75	
AC-71805	5	40	2 9/16	6 1/4	18	75	
AC-7361/2 ⁽²⁾	0.5	3	2 9/16	6 1/4	36	75	
AC-73601	1	6	2 9/16	6 1/4	36	75	
AC-73605	5	40	2 9/16	6 1/4	36	75	

Notes: (1) The AC-21005 will fit into many existing housings that take "string-wound" cartridges. Check to confirm that the 9 3/4" length will seat properly in the housing.

Notes: (2) The AC-5121/2E, AC-718P3, AC-7181/2 and AC-7361/2 are increased surface area/reduced water capacity cartridges specifically designed for circuit breaker oil.

TYPICAL AQUACON® CARTRIDGE CONSTRUCTION



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