



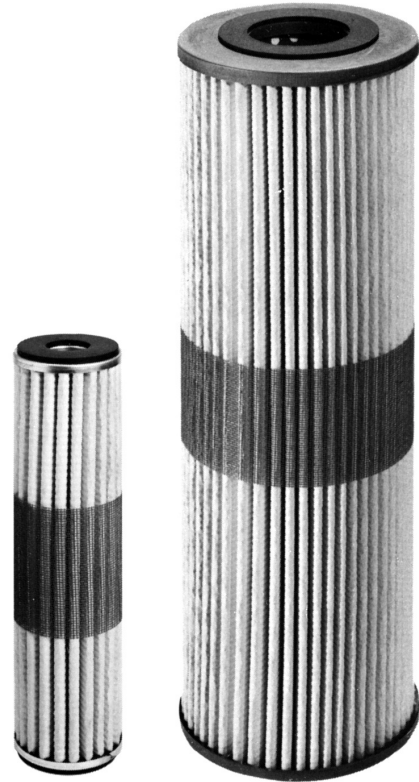
# Aquacon<sup>®</sup> Water Absorbing Cartridges

## Remove Water and Dirt from Oils, Fuels and Gases

- 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

**Aquacon<sup>®</sup>** 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.



### APPLICATIONS

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

### TECHNICAL INFORMATION

1. Maximum operating temperature is 250°F.
2. **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.
3. 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.
4. Water capacity for the AC-718 cartridges ranges from 2 to 4 quarts.

**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.**

## CARTRIDGE INFORMATION

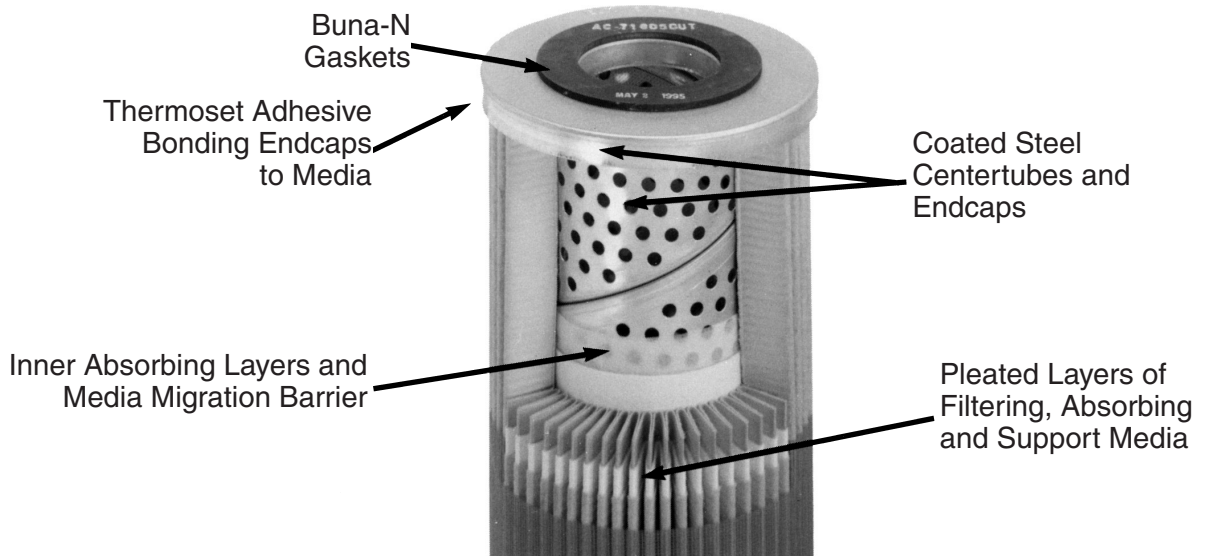
New types of **Aquacon**® Cartridges are being introduced continually. Contact your local Velcon Representative for up-to-date information.

Model Number	Micrometer Reading		I.D. Inches	O.D. Inches	Length Inches	Collapse Pressure, psi	Interchange Information
	Normal	Beta <sub>x</sub> = 75					
AC-21005 <sup>(1)</sup>	5	40	1	2 5/8	9 3/4	75	Fits Velcon VF-31 Housings
AC-5121/2E <sup>(2)</sup>	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	
AC-52405	5	40	1 7/8	5 5/8	24 1/2	75	Fits Velcon VF-62 Housings
AC-61405	5	40	3 1/2	6	14 1/2	100	Interchanges with Velcon FO-614PLF, FO-629PLF, and FO-644PLF Series Cartridges
AC-62905	5	40	3 1/2	6	29 1/2	100	
AC-64405	5	40	3 1/2	6	44	100	
AC-718P3 <sup>(2)</sup>	0.3	2	2 9/16	6 1/4	18	75	Fits Velcon industrial housings and portable filters, interchangeable with Velcon FO-718PL and FO-736PL Series Cartridges
AC-718P4D	0.4	2.5	2 9/16	6 1/4	18	75	
AC-7181/2 <sup>(2)</sup>	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 <sup>(2)</sup>	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.

(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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