

Remove Water and Dirt from Oils, Fuels and Gases

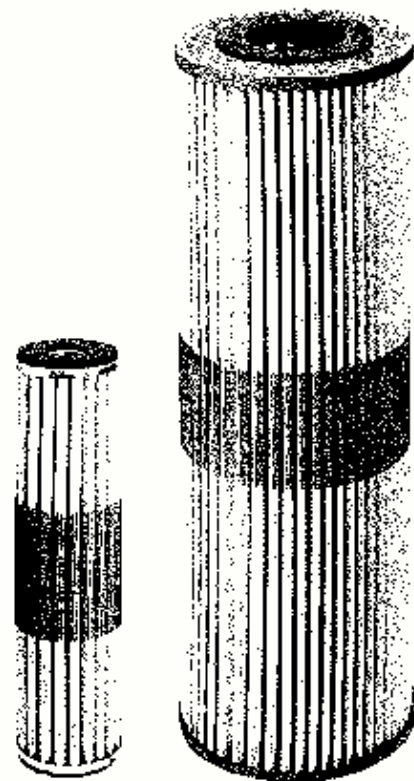
- Removes free and emulsified water to less than 2 ppm
- Differential pressure increase alerts operator to change cartridges
- Effectively filters silt and other particulates
- No media migration or "linting"
- Easy to install and remove
- Does not affect oil additives
- Fits standard filter housings
- Not affected by surface active agents
- Contains no asbestos

Aquacon Cartridges have a patented¹ 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 bind 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	Transformer Oil	Synthetic Oil
Kerosene	Hydraulic Oil	Phosphate Ester Oil
Diesel Fuel	Turbine Lube Oil	Instrument Air
Insulating Oil	Quench Oil	Process Gases



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 tube 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.

CARTRIDGE INFORMATION

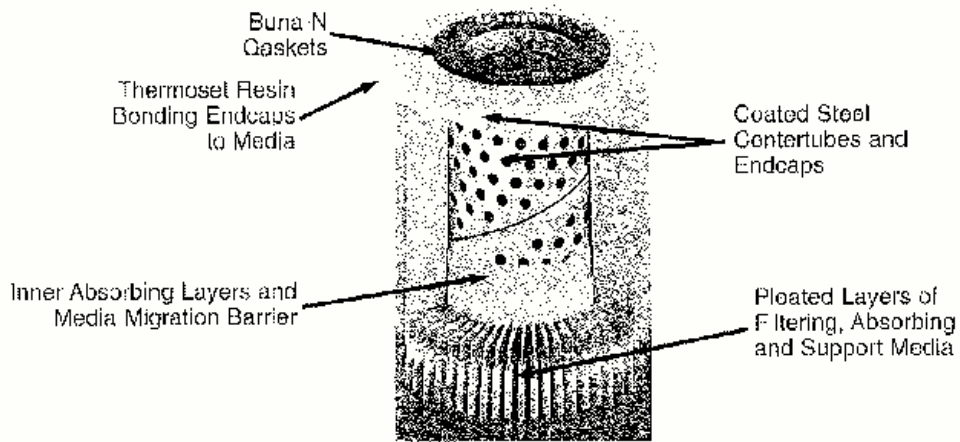
New types of **Aquacon** Cartridges are being introduced continually. Contact your local Velcon Representative for up-to-date information.

Model Number	Micrometer Rating		I.D. Inches	O.D. Inches	Length Inches	Collapse Pressure, psi	Interchange Information
	Nominal	Beta _{X=75}					
AC-21005 ¹⁰	5	40	1	2 $\frac{1}{2}$	9 $\frac{1}{2}$	75	Fits Velcon VF-31 Housings
AC-5121/2E ¹⁰	5	3	1 $\frac{1}{2}$	5 $\frac{1}{2}$	12 $\frac{1}{2}$	75	Fits Velcon VF-61 Housings
AC-51205	5	40	1 $\frac{1}{2}$	5 $\frac{1}{2}$	12 $\frac{1}{2}$	75	
AC-61405	5	40	3 $\frac{1}{2}$	6	14 $\frac{1}{2}$	100	Interchanges with Velcon FC-614PLF, FO-620P-LF, and FC-644PLF Series Cartridges
AC-62905	5	40	3 $\frac{1}{2}$	6	29 $\frac{1}{2}$	100	
AC-64405	5	40	3 $\frac{1}{2}$	6	44	100	
AC-718P3 ¹⁰	0.3	2	2 $\frac{1}{2}$	6 $\frac{1}{2}$	18	75	Fits Velcon industrial housings and portable filters, interchangeable with Velcon FC-718PL and FO-736PL Series Cartridges
AC-7181/2 ¹⁰	0.5	3	2 $\frac{1}{2}$	6 $\frac{1}{2}$	18	75	
AC-718P4D	0.1	2.5	2 $\frac{1}{2}$	6 $\frac{1}{2}$	18	75	
AC-7180 ¹⁰	1	6	2 $\frac{1}{2}$	6 $\frac{1}{2}$	18	75	
AC-71805	5	40	2 $\frac{1}{2}$	6 $\frac{1}{2}$	18	75	
AC-7361/2 ¹⁰	0.5	3	2 $\frac{1}{2}$	6 $\frac{1}{2}$	36	75	
AC-7360 ¹⁰	1	6	2 $\frac{1}{2}$	6 $\frac{1}{2}$	36	75	
AC-73605	5	40	2 $\frac{1}{2}$	6 $\frac{1}{2}$	36	75	

Notes: (1) The AC-21005 will fit into many existing housings that take "string-wound" cartridges. Check to confirm that the 9 $\frac{1}{2}$ " 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



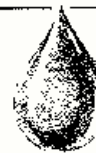
Velcon Systems

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Due to Velcon's Filters continuing product improvement, drawings specifications and pictures are subject to change without notice.