

Water and Dirt Removal from Solvents

FEATURES

- Removes all free and emulsified water to < 10 ppm
- Positive shutdown:
 - Signals cartridge change
 - No unfiltered solvent gets downstream
- Effective silt and particle removal
- Solvent resistant cartridge components
- Not affected by surface active agents

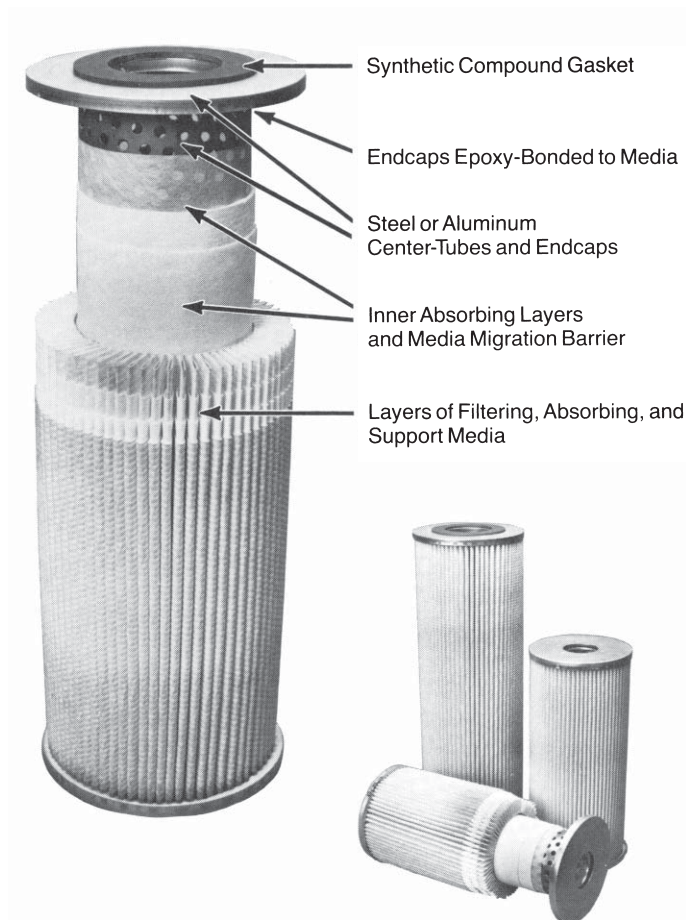
DESCRIPTION

Originally developed for the demanding requirements of aviation jet fuel filtration, **Aquacon**[®] Cartridges have been modified for use with a variety of solvents. In addition to filtering particles, these high performance cartridges remove all free and emulsified water down to less than 10 parts per million.

Filtered water is locked into the cartridge's inner super-absorbent media and can not be squeezed out. When a cartridge reaches its water holding limit, this media expands and shuts off the flow of unfiltered solvent until the cartridge is replaced. A rapid increase in differential pressure signals the operator to change the cartridge.

Aquacon Cartridges are also excellent dirt filters. Silt, rust, and other particles are removed by the cartridge's outer filter media. The pleated accordion style design provides a high capacity surface.

Special epoxy bonding materials enable **Aquacon** Cartridges to function in difficult solvent environments. They hold the filter media together, bond the end caps to the media, and bond the gaskets to the end caps. Viton-A[®] is used as a gasket material on ASL-51201 Cartridges while the ASL-71801 Models employ a special synthetic material for that purpose.



APPLICATIONS

Fluorocarbons:

Freon[®] 11, 12, 13, 13B1, 112, 113, 114, 115, 218, C-318, 114B2 and TF

Aliphatic Hydrocarbons:

Cyclohexane, Pentane, Hexane, Stoddard, Heptane

Aromatic Hydrocarbons:

Benzene, Toluene, Xylene

Chlorinated Hydrocarbons:

Perchloroethylene, 1,1,1-Trichlorethane, Carbon Tetrachloride

Contact factory regarding other solvents not listed above.

| Model Number | Micrometer Rating | O. D. Inches | Length Inches | Collapse Pressure PSID | Water Capacity Quarts | Max. Flow GPM | Metal Components |
|-------------------------------------|-------------------|-------------------------------|--------------------------------|------------------------|-----------------------|---------------|------------------|
| ASL-51201 | 1 | 5 ⁵ / ₈ | 12 ¹ / ₄ | 75 | 1 | 50 | Aluminum |
| ASL-71801 | 1 | 6 ¹ / ₄ | 18 | 75 | 2 | 80 | Coated Steel |
| ASL-71801D (baked & dried media) | 1 | 6 ¹ / ₄ | 18 | 75 | 2 | 80 | Coated Steel |

CARTRIDGE TECHNICAL INFORMATION

1. Maximum operating temperature is 200° F.
2. Micrometer ratings are nominal at 98% + efficiency.
3. Cartridges do not remove soluble water.

CARTRIDGE HOUSINGS

ASL-51201 Cartridge – Use VF-61 Housing with die-cast aluminum head and epoxy coated carbon steel body.

ASL-71801, ASL-71801D Cartridges – Use VF-81 Series Housing; all carbon steel with epoxy coating.

Note: Housings are supplied with Buna-N Lid Gaskets. Viton A Lid Gaskets, required for solvent filtering applications, must be ordered separately.



VF-81E



VF81C



VF-61

LID GASKETS

ORDERING INFORMATION

(Specify)

| HOUSING | VITON LID GASKET PART NUMBER |
|---------------|------------------------------|
| VF-81E | G-1016A |
| VF81B, C, SYS | G-1045A |
| VF-61 | G-0986A |



Velcon products are sold and serviced by a world-wide representative network. To order, contact Headquarters or your **LOCAL REPRESENTATIVE:**

COMPANY HEADQUARTERS:
 Velcon Filters, Inc.
 1210 Garden of the Gods Road
 Colorado Springs, CO 80907-3410
 Phone: 1.800.531.0180 / 1.719.531.5855
 Fax: 719.531.5690
 e-mail: vfsales@velcon.com
 www.velcon.com

MANUFACTURING PLANTS LOCATED AT:
 Colorado Springs, Colorado
 Sylacauga, Alabama

OVERSEAS AFFILIATES:
 Frankfurt/M., Germany & Singapore

**Liquid Filtration
 and Separation
 Specialists**