



Industrial Filtration Equipment



Velcon

Systems.

Equipment

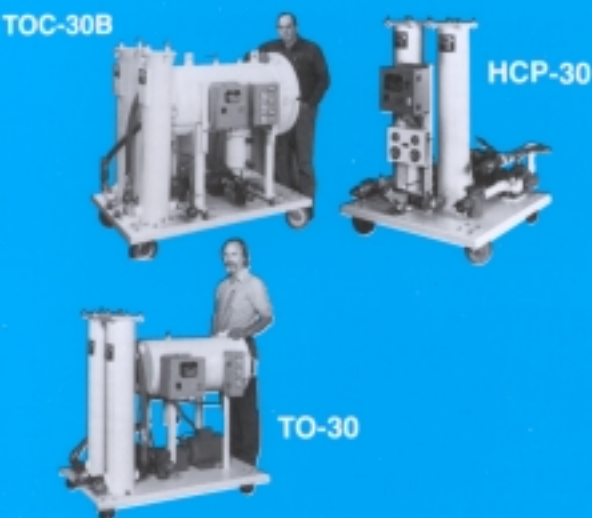
Portable Filter Pumps



Stationary Housings



Filter Systems



Filter Selection

Typical Solutions for In-Line Equipment/Cartridge

Problem	Examples
1. Dirt and Water in Oils	Lube Oil Gear Oil Hydraulic Oil Turbine Oil
2. Water and Carbon in Insulating Oils	Transformer Oil Circuit Breaker Oil Switch Gear Oil Tap Changer Oil
3. Water and Dirt in Fuels	Gasoline Diesel Kerosene
4. Dirt (Particulates) in Oils and Fuels	All Oils All Fuels
5. Acid in Oils	Vacuum Pump Oil
6. Water and Dirt in Compressed Air	Industrial Compressed Air Instrument Air
7. Water and Dirt in Solvents	Hexane Toluene 1,1,1-Trichlorethane

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Industrial Applications dge Combinations

Solution

- 1A. Portable Filter Pumps with Aquacon Cartridges**
The MP-5, 5 GPM Portable Filter Pump is typical—widely used in industry.
- 1B. Stationary Filter Housings with Aquacon Cartridges**
Note that Aquacon super-absorbent filters have become the industry standard for dirt and water removal. See "How It Works" at right.
- 1C. Turbine Oil Coalescing System.**
Use TOC-30B System at 30 GPM flow rate.
- 2A. Aquacon Cartridges in Portable Filter Pumps**
MP-5 at 5 GPM and HP-30 at 30 GPM are typical.
- 2B. Insulating Oil Filter Systems.** Use Aquacon Cartridges in HCP-30 and TO-30 Systems at 30 GPM flow rates.
- 2C. Aquacon 1, 2, 3, and 4-Hi Cartridges.** Replacements for Alsop and Cuno disk type cartridges and Hilco blotter paper filters in existing housings.
- 3A. Aquacon Cartridges in VF-61EP $\frac{1}{2}$ or VF-31E Housings.** Positive Shut-Off features prevents pumping of contaminated fuel. Use Coalescer Cartridges in high volume applications.
- 3B. Spin-On Aquacon Cartridges.** Use on gasoline and diesel fuel dispensers.
- 4. High Surface Area Pleated Media and Fiberglass Depth Media Cartridges.** Use in Stationary Housings at 1 to 600 GPM or Portable Filter Pumps at 1 to 30 GPM.
- 5. Adsorbent Cartridges: Fullers Earth or Activated Alumina.** Use in Stationary Housings or Portable Filter Pumps.
- 6. Air Aquacon Filter Cartridge in VF-31E Housing.** "Foolproof" 99.9+% water removal with positive lock-in and positive shut-down. Gross water removal via petcock.
- 7. Solvent Aquacon Cartridges.** Use in Stationary Housings. Typical: 1 to 80 GPM, down to 10 ppm water in effluent with 1 micrometer particulate rating.

Cartridges

Aquacon® Cartridges



How It Works

Large surface area pleated-media layer filters particulates.

Two inner layers of super absorbent media lock-in filtered water.

When an Aquacon cartridge becomes saturated with dirt or water, the filter media expands very rapidly and restricts the flow of unfiltered material. This causes

an increase in the differential pressure which signals the operator to replace the cartridge.

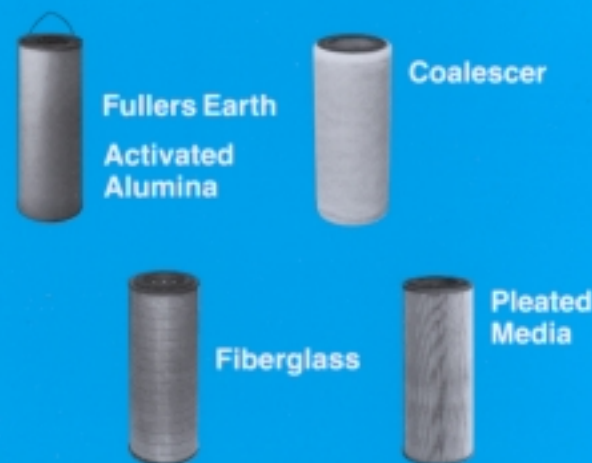
When filtering fuels or compressed air, a saturated Aquacon cartridge provides positive protection by completely blocking the flow of unfiltered material until replaced.



Aquacon 1-2-3-4-Hi Replacements for Disk and Blotter Filters



Special Function Cartridges





AVIATION: Velcon Filters is the world's largest supplier of ground based jet fuel filtration equipment.



INDUSTRIAL: Velcon offers a complete line of advanced industrial filtration equipment for oils, fuels, solvents, and compressed air.



UTILITIES: Velcon supplies proven, cost effective systems for insuring clean and dry transformer, circuit breaker, switch gear, and turbine oils.



RESEARCH & DEVELOPMENT: Velcon maintains one of the world's largest laboratories used exclusively for fluid clarification research and testing.

Serving industry from three manufacturing plants:



Colorado Springs, Colorado



Sylacauga, Alabama



Harlingen, Texas

