

Filter Elements Synthetic Media - Acid Removal - Water Removal

SYNTHETIC MEDIA FILTERS

FEATURES

- **Beta(c)>1000 Filter Efficiencies (99.9%)**
- **Various Sizes Ranging From 1-Micron to 25-Micron**

DESCRIPTION

Oil Filtration Systems Inc.'s microglass filter elements provide the highest degree of filtration efficiency for industrial, mobile, and process applications. Our filter elements are composed of microglass media, the most recent innovation in high performance filtration technology. Microglass

media is inert, inorganic, and far exceeds any paper or cellulose filter element performance. Water or chemicals, which cause softening, swelling, and degradation in conventional cellulose or pleated paper filters, do not affect microglass media.

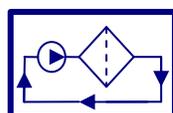


EFFICIENCY & PERFORMANCE

Our pleated microglass filter elements have the highest efficiencies available on the market today. Built with very fine glass fibers, deep pleats, and the maximum number of tapered pores, our filter elements have the highest dirt-holding capacity and lowest clean initial pressure drops found in the industry. These advantages combine to deliver significantly extended element life and very low particle counts. Our filter elements are rated Beta(c)>1000 per ISO 16889, meaning that 99.9% of all particles in a given micron size and larger are removed in one pass. They are available in a variety of micron size increments, including 1, 3, 6, 12, & 25 Micron. Conventional cellulose or pleated paper filters typically remove only 50-70% of all particles in a single pass. Our Pleated Microglass Filter Elements provide greater value and significant cost savings in the long run over conventional cellulose or pleated paper filters due to far greater efficiency and extended life. Try our filters, and you will see higher performance and cost savings. We have a complete manufacturer's cross-reference for virtually all makes and models of filter elements.

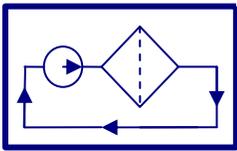
Typical Applications Include:

Hydraulic Oil Lubrication Oil Diesel Fuel Gasoline Turbine Oil Gear Oil
Transformer Oil (Mineral Based & Synthetic) EHC Fluid (Phosphate Ester)



OIL FILTRATION SYSTEMS, INC.

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WATER REMOVAL FILTERS

FEATURES

- Remove water from oils, fuels, & gases.
- Differential pressure increase & signals operator when to change elements.
- Oil additives are not affected.
- No media migration.
- Removes particulate.

DESCRIPTION

Oil Filtration Systems water removal filters are designed to remove water & particulate from oils, fuels & gasses. The inner and outer layers remove particulate. The middle layer absorbs water by chemically bonding to it and thus insures that no water is released downstream. When the filter elements reach their water saturation point, the media swells shut and differential pressure rapidly rises. When a 30 to 40 differential pressure reading is observed the elements must be changed.

SPECIFICATIONS & PERFORMANCE:

- Oil Filtration Systems water removal elements remove 100% of free and emulsified water.
- 10 micron Nominal rating.
- Maximum operating temperature is 260 Deg. F.
- Water capacity for an OFS-840X-WB element is 1 to 2 gallons of water.
- Water capacity for an OFS-820X-WB element is 1/2 to 1 gallon of water.
- Water capacity for an OFS-S510-WB element is 1/4 gallon of water.
- Some lube and hydraulic oils require more than one pass for total water removal.
- Variety of sizes to fit many existing OEM filter housings - including spin-on filters.
- Remove water & particulate from oils, fuels, & gasses.



Test our filters and you'll gain high performance and innovative filtration solutions. We have a complete cross-reference to replace all filter manufactures. We can be your sole-source filter-supplier.

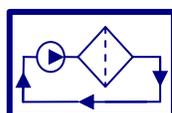
Applications Include:

Hydraulic Oil
Turbine Oil
Transformer Oil

Phosphate Ester Oil
Synthetic Oil
Compressor Oil

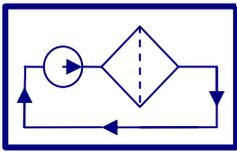
Gasoline
Kerosene
Diesel Fuel

Process Gasses
Instrument Air
Quench Oil



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ACID REMOVAL FILTERS

- * **Fuller's Earth**
- * **Activated Alumina**
- * **Selexsorb**

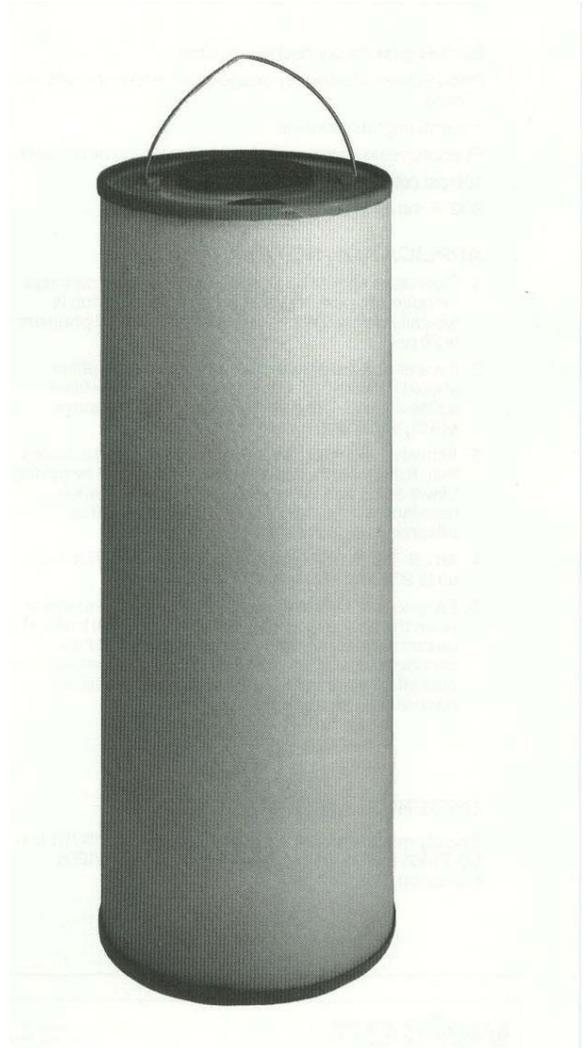
Oil Filtration Systems' acid removal cartridges combine the highest quality of adsorbing materials integrated with innovative structural components. Our cartridges are field proven and provide the highest degree of acid neutralization for a variety of applications. There are three types of cartridges available:

Fullers Earth, Activated Alumina, & Selexsorb.

Fuller's Earth is a special grade of clay mined from the earth, which absorbs and neutralizes acid.

Activated Alumina is a special grade of aluminum powder, which absorbs and neutralizes acid. Activated Alumina can remove more acid per pound and at a faster rate than Fuller's Earth. Activated Alumina has 3 to 5 times the acid absorbing capacity of Fuller's Earth.

Selexsorb is a special grade of Activated Alumina which absorbs and neutralizes acid. Selexsorb can remove more acid per pound and at a faster rate than Fuller's Earth, and has 3 to 5 times the acid adsorbing capacity of Fuller's Earth. The primary advantage that Selexsorb has over Activated Alumina is that Selexsorb is more resistant to water adsorption. This is particularly advantageous when used with Phosphate Ester Fire Retardant Fluids.

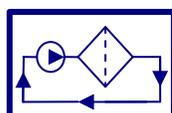


Oil Filtration Systems' Acid Removal Filters remove acid from:

Insulating Oil
Transformer Oil
Turbine Oil
Heat Transfer Oils

Mineral Oil
Phosphate Ester Oils
Quench Oil
Gear Oil

Vacuum Pump Oil
Synthetic Oils
Hydraulic Oil
Motor Oil

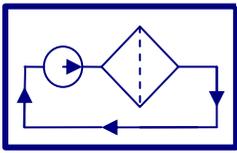


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ACID REMOVAL FILTERS

Model Number	Acid Removal Media	Media Weight	Dimensions
OFS-820-FEA	Fuller's Earth	14 lbs.	2.5" I.D. X 7.2" OD X 18.2" Length
OFS-820-AAA	Activated Alumina	16 lbs.	Same
OFS-820-SAA	Selexsorb	16 lbs.	Same

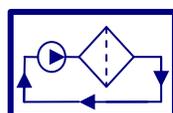
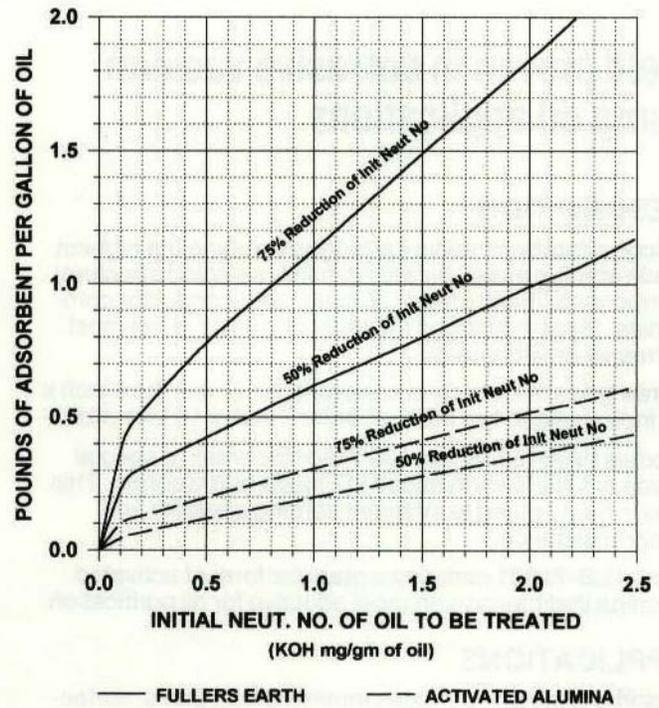
APPLICATION INFORMATION:

- A. Flow rates should be kept below 2 GPM Per cartridge for optimum performance.
- B. Initial pressure drop is usually below 5 PSID and change-out differential pressure is 25 PSID.
- C. When water or solid contamination is present a pre-filter should be installed. An OFS-820- (*) B cartridge removes solids and OFS-820-WB cartridges remove solids & water.
- D. An activated alumina cartridge will absorb 2350 ml of reagent grade HCl.

Custom applications are our specialty. Please contact our Applications Engineer for assistance.

For Customer Service assistance, contact Oil Filtration Systems at (800) 449-0262.

APPROXIMATE QUANTITIES OF ADSORBENT MATERIAL REQUIRED FOR DESIRED REDUCTION IN NEUTRALIZATION NUMBER OF OIL WHEN USING BATCH METHOD OF RECLAMATION.



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