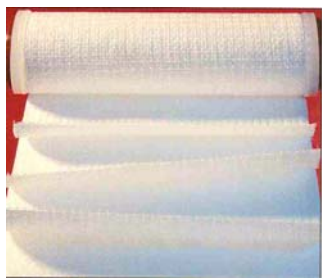


CONTAMINATION CONTROL LIMITED

DEPTH FILTER CARTRIDGES Filterite cartridge filter systems

Filterite

POLY-FINE® ARD SERIES



Poly-Fine ARD Series elements continue the Filterite tradition of developing high value, breakthrough products. Poly-Fine ARD cartridges are absolute rated, depth filter cartridges that exhibit long on-stream service life, high flow rates and extraordinary product consistency. A spiral wound support mesh, unique to the Poly-Fine ARD cartridge design, protects the filter media, assuring consistent filtration performance regardless of differential pressure or fluid viscosity. Poly-Fine ARD cartridges are manufactured of 100% FDA listed polypropylene components and can be safely used in food and beverage applications.

Type:

- Absolute Rated Depth Filter Cartridge

Filter Media:

- Melt blown Polypropylene

Temperature:

- 30 psid (2.1 bar) 70° C

Micron Ratings:

- 0.5, 1, 3, 5, 10, 20, 40, 70 µm absolute

Applications:

- Magnetic Coatings
- High Purity Water
- High Purity Chemicals
- Beer & Wine
- Automotive Paint
- Photo Chemicals
- Photo Emulsions
- Pre-Reverse Osmosis Filtration

NEXIS® SERIES



The Nexis Series filter cartridge, utilizing an innovative melt blowing process called CoLD MELT® technology, is a technically advanced depth cartridge. The patented CoLD Melt (Co-located Large Diameter) process intermingles strong support fibres with fine fibres to create a filter matrix that delivers fine filtration with enhanced mechanical strength. This innovative fibre structure coupled with a proprietary centre core, delivers precise, repeatable filtration that was previously unachievable with conventional technologies. The Nexis is particularly well suited for dynamic conditions because of its resistance to unloading of captured contaminants. It is available in 100% polypropylene or 100% nylon construction.

Type:

- CoLD Melt Depth Filter

Filter Media:

- Nylon
- 100% Melt blown Polypropylene

Temperature:

- 30 psid (2.1 bar) at 66° C - PP
- 25 psid (1.7 bar) at 93° C - Nylon

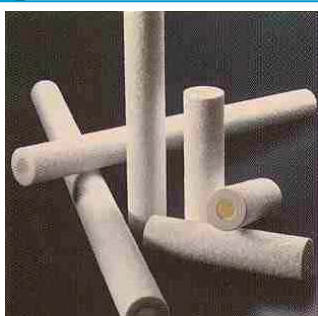
Micron Ratings:

- 0.5 – 200 µm (90% efficiency, PP)
- 0.5 – 120 µm (absolute rated, PP)

Applications:

- Chemical processing
- Oil & Gas
- Food & Beverage
- Pharmaceutical
- Electronics
- Photography
- Coatings & Photoemulsions

CLARIS™ SERIES



Clariss series filter cartridges are manufactured with 100% polypropylene melt blown filter media making them suitable for a wide variety of applications. Featuring an integral extruded fibrous core, or E-Core, Claris filters deliver high strength to resist collapse. All Claris filters contain multiple fibre zones to provide a graded pore structure throughout the depth of the filter. The result is efficient capture of a wide range of particles sizes through the entire depth of the media for long on-stream life. Claris filters are an economical alternative for general purpose filtration and are more durable than apparently similar alternatives.

Type:

- Melt Blown Depth Filter Cartridge

Filter Media:

- 100% Melt Blown Polypropylene

Temperature:

- 25 psid (1.72 bar) @ 60° C

Micron Ratings:

- 1, 3, 5, 10, 20, 30, 50, 75 nominal

Applications:

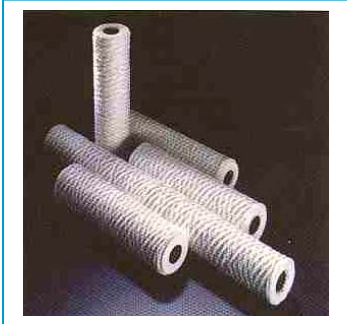
- Potable Water
- Chemicals
- Plating Solutions
- Process Water
- Food Products



DEPTH FILTER CARTRIDGES

Filterite cartridge filter systems

DFT CLASSIC®



Filterite's DFT Classic wound filter cartridges are widely used for removing coarse particles from process fluids. In these applications, the depth filter medium is ideal since it removes a wide range of particles sizes efficiently and economically. The graded pore size ensures maximum dirt-holding capacity at low pressure drops. Although the wound filter cartridge was one of the first types of commercially available cartridge filters, significant improvements made by Filterite have greatly increased their capabilities and range of applications. The introduction of new fibre and filter core materials has opened up hundreds of filtration applications for wound filters.

Type:

- Wound Fibre Filter Cartridge

Filter Media:

- Polypropylene
- RYTON®
- Glass
- Cotton
- Nylon
- TEFLON®
- Rayon

Cores:

- Polypropylene
- Stainless Steel
- Tin Steel
- Phenolic Resin

Temperature:

- Dependent on fibre to 398° C

Micron Ratings:

- 0.5, 1, 2, 3, 5, 7, 10, 15, 20, 30, 40, 50, 75, 100, 150, 200 µm nominal

Applications:

- Potable Water
- Cosmetics
- Photographics
- Food Products
- Chemicals

HI-V® SERIES



The Hi-V cartridge represents a significant advance in resin bonded filter cartridges. The Hi-V Series is noted for long life, low media migration, broad chemical compatibility, and its ability to filter wide viscosity ranges (<46, 500 cp). The one-piece construction of this cartridge overcomes problems associated with moulded filter cartridges, such as glued joints that can break, short fibres which migrate and grooves that may chip.

The Hi-V cartridge displays extraordinary strength and can withstand higher head loss than any other Filterite cartridge.

Type:

- Resin Bonded Depth Filter Cartridge

Filter Media:

- Resin Impregnated Polyester Fibres

Temperature:

- 121° C Gases
- 82° C Aqueous and Non-Aqueous Liquids

Micron Ratings:

- XF, 5, 10, 25, 50, 75, 125, nominal

Applications:

- Adhesives
- Salt Water
- Petroleum
- Oils
- Coatings and Inks
- Greases
- Resins
- Varnishes
- Oil Well Completion
- Industrial Process Waters

CLERIFY SERIES



Clerify cartridges are unique and are specifically developed for the adsorption of hydrocarbons from water. Available in both standard and Jumbo diameters these cartridges are suitable for use in virtually all our extensive range of housings.

Clerify cartridges can be used as a polishing step after primary separation processes or as a stand alone treatment.

Applications include marine, petroleum and food industry oil removal applications.

Type:

- Filter media Cellulose adsorbent

Temperature:

- Up to 80° C

Micron rating:

- N/A

Applications:

- Bilge water
- Condensates
- Drilling and production in water
- Leachates
- Food process discharges



PLEATED FILTER CARTRIDGES

Filterite cartridge filter systems

POLYFINE™ SERIES



Poly-Fine II Series cartridges are high area, pleated filter cartridges offering long on-stream life cycles and high efficiency particulate removal. The chemically inert materials used to manufacture Poly-Fine II cartridges allow for their use in an extraordinary range of applications. Poly-Fine II Series filter cartridges are manufactured under highly controlled conditions using only materials listed by the U.S Food and Drug Administration for food and beverage contact. Poly-Fine II cartridges are non-fibre releasing and all components have been tested according to the USP-XXIII, Class V Biological Test for plastics.

The cartridge media has nominal and absolute ratings.

Type:

- High Surface Area Pleated Filter Cartridge

Filter Media:

- Polypropylene
- Polysulfone (0.2 µm only)

Temperature

- 40 psid (2.8 bar) at 66° C

Micron Ratings:

- 0.2, 0.25, 0.45, 0.8, 2, 3, 5, 10, 30 nominal µm nominal

Applications:

- DI Water
- Chemicals
- Process Water
- Cosmetics
- Soft Drinks
- Photo Emulsions
- Membrane Pre-filter
- Wines & Spirits

DUO-FINE SERIES®



The Duo-Fine Series of pleated media filter cartridges are specially designed to provide efficient particle removal in liquid or gas systems. The unique combination of cartridge design and media selection provides high flow rates at low pressure drops and long cartridge life. In many applications, these features provide a more cost-effective alternative to depth filter cartridges. Available in a wide variety of materials of construction and end cap configurations, Duo-Fine cartridges are compatible with most fluids and will fit directly into most of the commonly used cartridge housings.

Type:

- High Surface Area Pleated Cartridge

Filter Media:

- Microfiberglass

Temperature:

- 40 psid (2.8 bar) at 66° C

Micron Ratings:

- 0.2, 0.45, 1, 3, 10, 30, 50 µm nominal

Applications:

- Chemicals
- Pharmaceuticals
- Magnetic Coatings
- Wine Pre-filtration
- Process Water
- Printing Inks
- Cosmetics
- Oils
- Oil Production
- Food & Beverage
- Photographic Solutions

CHEM-FINE SERIES



Chemfine cartridges are made using Halar media which exhibits outstanding chemical and temperature resistance compared to melt blown polypropylene or microfiberglass filter media at a substantially lower cost than commonly used fluoropolymer membranes. It is particularly resistant to attack by ozone, one of the most powerful oxidants known. The advanced design, innovative features, and stringent ISO 9001 quality control make the Chem-Fine Series cartridge truly exceptional for a range of critical processing applications in particular aggressive applications such as the filtration of ozonated water or aggressive, high purity chemicals.

Type:

- High Surface Area Pleated Cartridge

Filter media:

- Halar with polypropylene support
- All Halar

Retention Ratings:

- 0.2, 0.45, 1, 5, 10 µm nominal

Maximum Forward Differential Pressure:

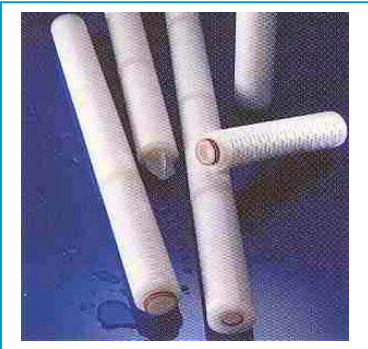
- To 75 psid @ 20° C
- To 40 psid @ 65° C

Applications:

- Hot ultrapure water filtration
- Ozonated water for bottling
- High purity chemical filtration



WATERFINE SERIES



The Filterite Waterfine highly asymmetric filter medium represents a significant advancement in membrane technology. The proprietary manufacturing process produces a pore size which gradually decreases from an average 10-20 microns on the upstream side to a precise submicron rating on the downstream side. Other microporous membranes, cast in a conventional manner, have pores that are random throughout the membrane matrix. Among the many advantages of the highly asymmetric membrane are reliable retention, resistance to bacterial grow-through, high flow rates, and extended life. Filterite has incorporated these benefits into a line of superior filter products serving a variety of critical filtration applications.

Type:

- Highly Asymmetric Membrane Filter Cartridge

Filter Media:

- Highly Asymmetric Polysulfone Membrane

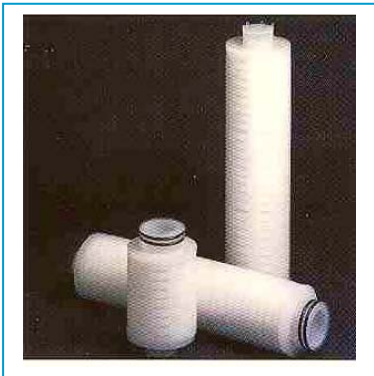
Micron Ratings:

- 0.02, 0.05, 0.1, 0.2, 0.45, 0.65, 0.8, 1.2 µm absolute

Applications:

- Chemicals
- Deionised Water
- Cosmetics
- Food & Beverage
- Wine Clarification
- Liquors
- Photographic
- Sterile Gas Production
- Solvent and Acid Filtration

FLUORYTE™ & VFTR



Fluoryte & VARAFINE™ TR Series filters are 100% fluoropolymer membrane cartridges. The Fluoryte Series is manufactured with PFA 440HP hardware, PTFE membrane filter media and a revolutionary binder-free non-woven PTFE support material that allows low extractables and is migration-free. These cartridges exhibit exceptional chemical and temperature resistance. The VFTR Series utilizes polypropylene cages, centre cores, and end caps, for those applications that require Teflon media but that do not require all Teflon hardware. Fluoryte and Varafine TR Series filters have 9 square feet of filter media per 10-inch filter cartridge for long life.

Type:

- Fluoropolymer Membrane Filter Cartridge

Filter Media:

- TEFLON® Membrane

Hardware:

- Fluoryte: PFA440HP
- VFTR: Polypropylene

Temperature:

- Fluoryte: 100 psid (6.9 bar) at 66° C
- VFTR: 80 psid (5.5 bar) at 20° C

Micron Ratings:

- 0.05, 0.1, 0.2, 1.0 µm absolute

Applications:

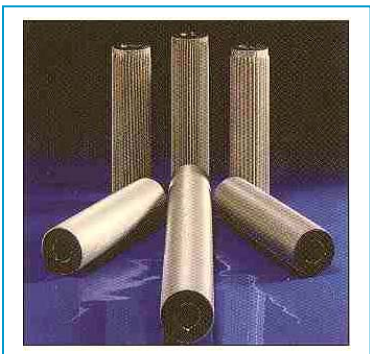
Fluoryte

- Xylene & other Solvents
- Negative Photo Resists
- Positive Photo Resists
- Concentrated Acids
- Bulk Oxygen Filtration
- Ozonated DI Water

VFTR

- Chemical Filtration
- Ozonated Water
- Aerosol Applications
- Vent Filtration
- Strong Bases

DYNALLOY® SERIES



The leader in the development of metal fibre media with patented products such as the Dynalloy. Extremely fine sintered stainless steel fibres make possible a filter medium that can stand temperatures to 398° C with very high porosity and high flow ratings. Sintered powdered metal filter media, in contrast, has a low porosity with relatively low strength and high pressure drop. Dynalloy elements are used in applications requiring fine filtration of corrosive process fluids, in high temperature filtration, and in applications where particulate levels are relatively low and cartridges are left in place for extended periods.

Type:

- Sintered Metal Fibre Cartridge

Filter Media:

- 304 Stainless Steel
- 316 Stainless Steel
- Special Alloys

Temperature:

- To 398° C

Micron Ratings:

- Dynalloy: 1 to 35 µm absolute
- DYNAMESH™: 40 to 840 µm absolute

Applications:

- High Temperature
- Viscous Fluids
- Corrosive Fluids
- Process Stream
- Polymer Filtration
- Gas Filtration
- Catalyst Recovery
- Gas Spargers
- High Pressure Filtration