UNITED FILTERS INTERNATIONAL

Wound Cartridge Filters

Recommended Applications:

- Coatings
- Oil Patch
- Waste Water
- Potable Water
- Process Water
- Pharmaceutical
- Photo Emulsions
- Photo Processing
- Electronics/Plating
- Magnetic Coatings
- Food and Beverage
- Chemical Processing

Features:

- True Depth Filtration
- Wide Choice of Porosities
- Various Core and Wind Material
- Chemical and Temperature Compatibility

U	P	10	R	10	P	V	SOC	ISW	L
United Type U - Standard	UFI Media U - Natural Cotton CCU - Industrial White Cotton C - FDA Bleach Cotton P - Industrial Polypropylene PD - FDA, Polypropylene PDN-NSF/ANSI 42/61 Polypropylene R - Rayon (Viscose) K - Polyester N - Nylon G - Fiberglass GH - Baked Fiberglass F - Fibrillated RT - Ryton	Micron Rating 0.5 1 3 5 10 15 20 25 30 40 50 75 100 125 150 200	OD" T - 2" E - 2-1/4" F - 2-3/8" R - 2-1/2" H - 2-5/8" S - 2-3/4" L - 2-7/8" P - 3" BB - 4" J - 4-1/2" K - 4-5/8" X - Special	Lengths 3.75" 4" 5" 6" 7" 8" 9" 9.75" 10" 12" 12.50" 18" 19.50" 19.75" 20" 29.50" 30" 36" 39" 40" 50" 60" 70" 72"	Core Material T - Tin Plated Steel P - Polypropylene A - 316 Stainless Steel S - 304 Stainless Steel TW - Tin Steel Wild Cat PW - Polypro Wild Cat SW - 304SS Wild Cat	Core Cover No Symbol None V - Specific Core Cover	End Treatment (P)E - Poly Core Insert (S)E - 316SS Insert EC - Extended Crimped Core SOC - 222 O-Ring & Cap SOF - 222 O-Ring & Fin 06C - 226 O-Ring & Cap 06F - 226 O-Ring & Fin PS - Poly spring PM - Poly Cap & Metal Spring B - Buna Gasket CSA - Stad. 316SS Cap & Spring W - Wildcat Cap & Spring ACS - 3" Tin Cap & Spring	Packaging IW - Individual Bag ISW - Individual Shrink Wrap	Label Individual Label

901 S. Grant ▪ Amarillo ▪ TX ▪ 79101 ▪ Phone: 806.373.8386 ▪ Fax: 806.371.7783 ▪ www.unitedfilters.com

Bulletin 501-Har A 01/12

UNITED FILTERS INTERNATIONAL

Wound Cartridge Filters

Mineral Acids	Oxidizing Agents
Organic Solvents	Alkalies
Zinc Chloride	Organic Acids
Caustic Soda	Portable Water
Ferric Hydroxide	Demineralized Water
Planting Solutions	Photographic Solutions
Animal, Petroleum and Vegetable Oils	Ethyl Alcohol
	Pre-membrane Filtration

Standard Polypropylene

Recommended for concentrated acids and alkalies, strong oxidizing agents, corrosive fluids, and gases. FDA and Non-FDA available -- Consult factory. Easily incinerated to traces of ash. Excellent microorganism resistance. For use to 200˚F.

Mineral Acids	Oxidizing Agents
Organic Solvents	Alkalies
Zinc Chloride	Organic Acids
Caustic Soda	Portable Water
Ferric Hydroxide	Demineralized Water
Planting Solutions	Photographic Solutions
Animal, Petroleum and Vegetable Oils	Ethyl Alcohol
	Pre-membrane Filtration

Fibrillated Polypropylene - “Electronic Grade”

Non-migrating slit film polypropylene free of extractables recommended for use in ultra-pure liquids, electronics, and plating where non-leaching is critical. No extractables or sizing agents present. Chemical resistance equal to standard polypropylene. Low moisture adsorption and outstanding abrasion resistance. Lowest static propensity of any man-made fiber. High dry or wet strength.

Strong Acids	Diluted Acids
Concentrated Alkalies	Animal, Petroleum
Oxidizing Agents	and Vegetable Oils
Organic Acids	

Modacrylic

For strong acids, concentrated alkalies, and oxidizing agents. For use to 200˚F. Not recommended for organic solvents.

Organic Solvents	Organic Acids
Alkalies	Animal, Petroleum
Dilute Acids	and Vegetable Oils
Strong Acids	

Polyester

Chemical resistance similar to polypropylene, with higher temperature resistance. For use to 350˚F.

Vegetable Oils - Fatty Acids
Beverages - Citric Acids
Hydrocarbons - Alcohols
Demineralized Water
Photographic Solutions
Organic Solvents
Animal, Petroleum and Vegetable Oils

Bleached Cotton

Bleached to meet FDA standards for distilled water, beverages, vegetable oils, petroleum, fatty acids, and alcohols. For use to 300˚F. Poor micro-organism resistance.

Vegetable Oils - Fatty Acids
Beverages - Citric Acids
Hydrocarbons - Alcohols
Process Water
Paints
Organic Solvents
Petroleum Oils

Natural Cotton

For oils, water, paints, organic solvents, alcohols, and petroleum. Non-FDA applications. For use to 300˚F.

Oxalic Acid
Phosphoric Acid
Sulfuric Acid
Oxidizing Agents
Sodium Cyanide
Nitric Acid
Organic Solvents
Oils
Organic Acids
Strong Acids
Dilute Acids

Heat Cleaned Glass Fiber

Traces of oil sizing removed by heat cleaning, yielding virgin glass fiber. Recommended for high temperatures and high corrosion applications. For use to 750˚F.

Organic Solvents
Organic Acids
Alcohols - Hydrocarbons
Oils
Alkalies
Fatty Acids

Rayon

Fluid compatibility similar to bleached cotton, but with more coarse fibers, and less absorbent than cotton. Swells in aqueous solutions. For use to 300˚F.

Organic Solvents
Process Water
Alkalies
Hydrocarbons

Nylon

For special process applications, concentrated alkalies, and hydrocarbons. Excellent micro-organism resistance. For use to 300˚F.

UNITED FILTERS INTERNATIONAL

FILTER MEDIA & CORE SELECTION GUIDE

MEDIA	MAXIMUM TEMP	CHARACTERISTICS
Bleached Cotton	300° F 150° C	For potable liquids, vegetable oils, beverages, organic solvents, water, dilute acids, petroleum oils, and other services.
Natural Cotton	300° F 150° C	Same (non FDA) applications as bleached cotton.
Rayon	300° F 150° C	Chemical compatibility similar to cotton. Used primarily in filtration of petroleum oils.
Fiberglass	750° F 399° C	Filtration of organic acids, organic solvents, petroleum 399° Coils, mineral acids, and other corrosive or high temperature services.
Polypropylene	180° F 82° C	Filtration of organic acids, alkalies, and many other chemicals.
FDA Polypropylene	180° F 82° C	Filtration of water, potable liquids, animal and vegetable oils, food and beverages. Very effective in low viscosity solutions.
NSF/ANSI 42/61 Polypropylene*	180° F 82° C	Filtration of water, potable liquids, animal and vegetable oils, food and beverages. Very effective in low viscosity solutions.
Fibrillated Polypropylene	180° F 82° C	Same chemical compatibility as polypropylene. Has no finish on material, therefore will not cause foaming.
Polyester	250° F 121° C	Chemical compatibility similar to cotton and polypropylene. Has higher temperature resistance than polypropylene in most cases.
Nylon	350° F 177° C	Used for special process application, concentrated alkalies, and hydrocarbons.
Ryton	375° F 191° C	Similar chemical compatibility to both Nylon and Fiberglass. Excellent resistance to solvents and acids except for hot sulfuric acid and nitric acid.

CORE	MAXIMUM TEMP	CHARACTERISTICS
Tinned Steel	400° F 204° C	General purpose applications.
Polypropylene	120° F 49° C	For lower temperature applications of corrosive fluids and gases. Easily incinerated to a trace of ash.
304 Stainless Steel	750° F 399° C	For high temperature dilute acids and moderately corrosive fluids.
316 Stainless Steel	750° F 399° C	For high temperature applications and highly corrosive fluids.

*Conditioning Procedure Directions for use:
Place filter elements in appropriate housings and flush for a minimum of 10 minutes prior to use.