



# PLEATED CELLULOSE Style UCE

Series UCE cellulose cartridges are designed for general water filtration purposes. They are economical, yet highly effective, at reducing sediment particulates down to nominal 1 micron in size.

The pleated corrugated media provides increased surface area and strength, which results in extended life. End caps are fused to the cellulose media preventing bypass and forming a gasket sealing area.



## The Highest Quality In Cartridge Filtration



### Features:

- Nominal and Absolute Particle Retention Ratings
- Superior Flow Characteristics
- High Dirt Holding Capacity
- Many Lengths and Cartridge Styles
- Low Clean Differential Pressure Drops



### Specifications

Type:	Pleated Cellulose
Construction:	Resin Impregnated Cellulose Media Vinyl Plastisol End Caps Polypropylene Core
Operating Temperature Range:	40°F (4.4°C) to 145°F (63°C)
Micron Rating:	Nominal 1, 5, 10, 20
Dimensions:	Max. Recommended Flow Rates:
2 5/8" diam. X 9 3/4", 10" long	5-7 GPM
2 5/8" diam. X 19 1/2", 20" long	10-14 GPM
2 5/8" diam. X 30" long	15-21 GPM
2 5/8" diam. X 40" long	20-28 GPM
4 1/2" diam. X 9 3/4" long	10-15 GPM
4 1/2" diam. X 20" long	20-30 GPM

### Recommended Applications:

- Water Purification
- Etchants
- Colloid Removal
- Solvents
- Pharmaceuticals
- Food and Beverages
- Photographic and Plating Solutions
- Printed Circuit Boards
- Chemicals: Ethers, Ketones, Acids, Esters, Alcohols, Bases, and Solvents
- Magnetic Coatings
- Metal Finishing
- Biologicals
- Microorganisms/Bacteria Retention

### Nomenclature

UC	1	X	10	BB
Filter Media	Micron Rating		Length	Tube O.D.
C-Cellulose	1		9 3/4"	All filters are standard
	5		10"	2 5/8" O.D. unless
	20		19 1/2"	otherwise specified
			20"	BB - 4 1/2"
			30"	
			40"	

Custom sizes and end cap configuration available. Consult factory.

United Filters pleated cartridge filters are an alternative to string wound or spun molded filters. These filters are economical, multi-use, premium quality products that are available in various micron ratings ranging from 50 micron nominal down to .10 micron absolute. End cap configurations include DOE (double open end, flat gasket) and SOE (single open end, external double 222 O-ring/button end cap). Filter medias available include self-bonded fine diameter polypropylene fibers as well as membranes constructed of polypropylene, nylon, or PTFE.

The pleated cartridge filters contain no surfactants or binders that can break down, leach out, or permit the typical problems of channeling and media migration. Maximum effective open surface areas allow for high flow rates at reduced pressure losses as well as high dirt holding capacity, long service life, large throughputs, and lower operating costs. These pleated cartridge filters may be used as either prefilters or as final filters for bulk and point-of-use filtration. They are most appropriate for use when high efficiency filtration and economy are crucial.

