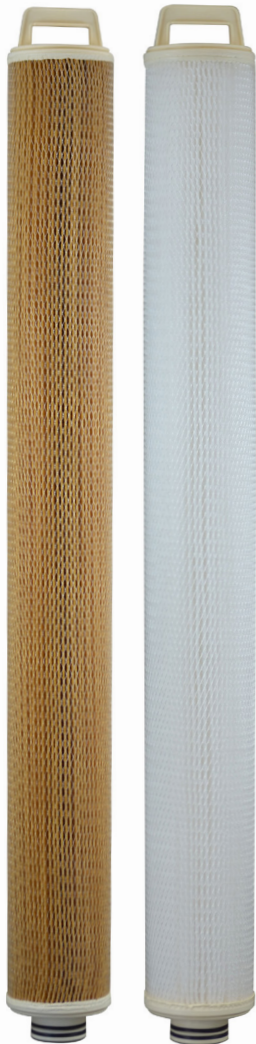


# CLARIFY™ 430 SERIES



### Cost Effective Filtration

FTC introduces its Clarify 430 Series absolute rated filter cartridge. Each cartridge has a fixed pore media with a pleat design that maximizes effective surface area and dirt holding capacity while preventing particle unloading and fiber migration.

Available in a wide variety of filter media, this cartridge can be constructed with acetal end caps and a tinned steel core for fuel or high temperature applications.

### Benefits

- Designed to replace industry standard 4.25" OD filter elements
- Dirt holding capacity is maximized in media selection and pleat design
- Wide-range of media and hardware options allows for compatibility with almost any fluid
- Ergonomic design allows for easy installation and extraction resulting in an operator friendly element
- Dual o-ring seal to ensure positive capture of contaminants
- Absolute rated media with fixed pore structure prevents particle unloading and provides reliable results in critical applications

### Common Applications

- Water and Wastewater, Process Fluids, Acids, Bases, Amines, Glycols, Hydrocarbons, Brines, Organic Solvents, Fuels

### Dimensions

Outside Diameter..... 4.25"  
 Inside Diameter ..... 1.5"  
 Length..... 40"

### Materials of Construction

Filter Media..... Cellulose, Polypropylene, Micro-fiberglass, Polyester, Nylon  
 Center Core..... Polypropylene, Tinned Steel, Stainless Steel  
 Netting ..... Polypropylene, Nylon  
 End Caps..... Polypropylene, Tinned Steel, Stainless Steel, Acetal



## PRODUCT SPECIFICATIONS

Micron Ratings @ 99.98% (beta 5000): 0.5, 2, 5, 10, 20, 40, 70 and 100 micron

Surface Area: Up to 45 ft<sup>2</sup>

Maximum Operating Conditions: 185°F (85°C) continuous operating temperature

Recommended Flow Rate for Optimal Dirt Loading: 25 GPM

Recommended Differential Pressure for Change-out: 35 PSID

## MEDIA MICRON RATING AT EFFICIENCY

FILTER MODEL	430	431	433	435	437	438	439	4310
99.00% (beta 100)	0.3	1	2	5	10	25	40	70
99.98% (beta 5000)	0.5	2	5	10	20	40	70	100

## DIRT HOLDING CAPACITY (LBS)\* per standard 40" filter

FILTER MODEL	430	431	433	435	437	438	439	4310
Pounds of Solids	4.15	4.92	5.27	5.27	5.45	5.53	5.80	6.15

## CLEAN PRESSURE DROP (PSID)\* per standard 40" filter

FILTER MODEL	430	431	433	435	437	438	439	4310
PSID @ 15 GPM	1.03	0.47	0.34	0.34	0.33	0.30	0.29	0.28
PSID @ 25 GPM	1.57	0.74	0.60	0.60	0.58	0.56	0.51	0.47
PSID @ 35 GPM	1.78	0.95	0.88	0.88	0.88	0.87	0.83	0.81
PSID @ 45 GPM	2.42	1.33	1.12	1.07	1.03	0.97	0.91	0.89

Data based on Filtration Technology Corporation Research and Development Center's standard test procedure. The reported data is based on the polypropylene filter models.

## CARTRIDGE CODING

Use the chart below to create cartridge part number for ordering. Please include dashes when creating part numbers.

	Clarify 430 Filter Series	Micron Rating @ 99.98%	Non-Media Components	Media	Length	End Cap Style	O-Ring
EXAMPLE	AB	435	P	P	40	6	E
OPTIONS		<b>430</b> = 0.5 Micron <b>431</b> = 2 Micron <b>433</b> = 5 Micron <b>435</b> = 10 Micron <b>437</b> = 20 Micron <b>438</b> = 40 Micron <b>439</b> = 70 Micron <b>4310</b> = 100 Micron	<b>*P</b> Polypropylene <b>L</b> Acetal <b>M</b> Tinned Steel	<b>C</b> Cellulose <b>G</b> Glass <b>P</b> Polypropylene <b>R</b> Polyester <b>N</b> Nylon	<b>40</b> - 40"	<b>6</b> - 226 O-ring	<b>E</b> EPDM <b>B</b> Buna <b>V</b> Viton®

\* The raw polypropylene materials composing these filters are FDA compliant according to CFR Title 21

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