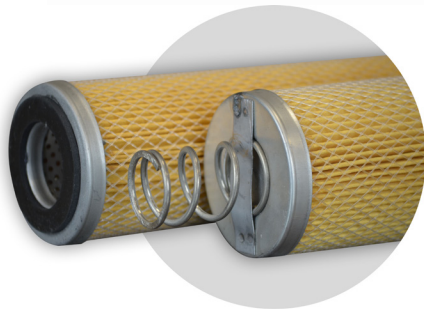
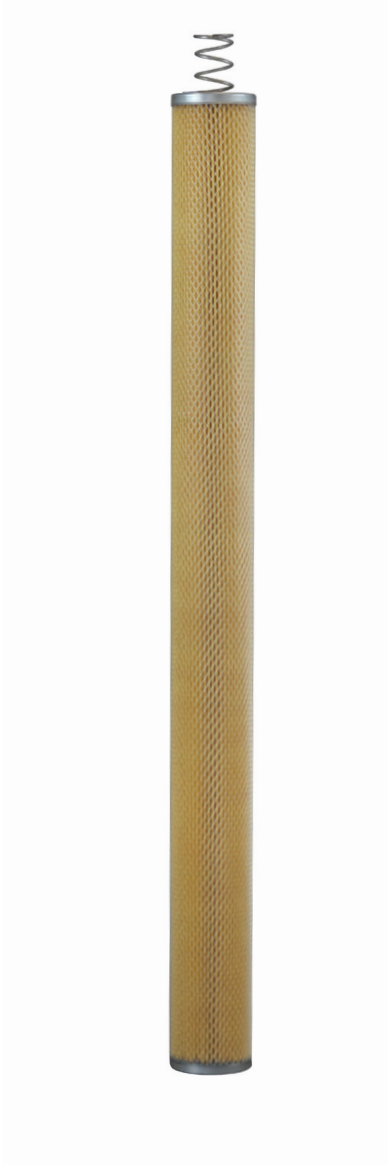


# CLARIFY™ 300 SERIES



## Cost Effective Filtration

FTC's Clarify 300 Series pleated cartridges are designed to efficiently remove a large range of solids from process streams. Each cartridge has a pleated, fixed pore media which maximizes effective surface area while preventing particle unloading and fiber migration.

The Clarify 300 Series will fit all 336 style filter vessels in the market and provide absolute micron ratings between 0.5 to 100 micron. FTC's superior methods of construction combined with excellent quality control, ensure that its ABP cartridges will provide quality filtration in difficult operating conditions.

## Benefits

- The surface area and dirt holding capacity of the Clarify 300 Series filters provide significant cost savings compared to the conventional non-pleated string wound, depth and spun bonded 336 filters
- Having the cap and spring as part of the element provides easy installation and extraction resulting in a more operator friendly element than standard double open ended cartridges
- Gasket 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

- Amines, Glycols, Completion Fluids, Brines, Fuels, Waterflood, Produced Water, Disposal Water

## Dimensions

Outside Diameter..... 3.00"  
Inside Diameter ..... 1.5"  
Length..... 36.5"

## Materials of Construction

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

## PRODUCT SPECIFICATIONS

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

Surface Area: Up to 18 ft<sup>2</sup>

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

Recommended Flow Rate for Optimal Dirt Loading: 8 GPM per filter

Recommended Differential Pressure for Change-out: 35 PSID

## MEDIA MICRON RATING AT EFFICIENCY

FILTER MODEL	0.5	2	5	10	20	40	70	100
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 36" filter

FILTER MODEL	0.5	2	5	10	20	40	70	100
Pounds of Solids	1.65	2.01	2.15	2.15	2.15	2.21	2.31	2.44

## CLEAN PRESSURE DROP (PSID)\* per 10" filter length

FILTER MODEL	0.5	2	5	10	20	40	70	100
PSID @ 2 GPM	1.30	0.42	0.24	0.23	0.21	0.19	0.19	0.14
PSID @ 4 GPM	4.57	0.52	0.49	0.47	0.46	0.46	0.41	0.35
PSID @ 6 GPM	7.64	1.79	1.07	1.04	1.01	0.77	0.60	0.52
PSID @ 8 GPM	10.4	2.80	1.69	1.67	1.65	1.40	1.29	1.15

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 300 Filter Series	Micron Rating @ 99.98%	Media	Length	End Cap Style	Seal Material
EXAMPLE	ABP	10	C	3	3	B
OPTIONS		<b>0.5</b> = 0.5 Micron <b>02</b> = 2 Micron <b>05</b> = 5 Micron <b>10</b> = 10 Micron <b>20</b> = 20 Micron <b>40</b> = 40 Micron <b>70</b> = 70 Micron <b>100</b> = 100 Micron	<b>C</b> Cellulose <b>G</b> Glass <b>*P</b> Polypropylene <b>R</b> Polyester <b>N</b> Nylon	<b>3</b> - 36.5"	<b>1</b> - DOE <b>3</b> - SOE with spring (standard)	<b>B</b> Buna-N <b>E</b> EPDM <b>V</b> Viton®

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

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