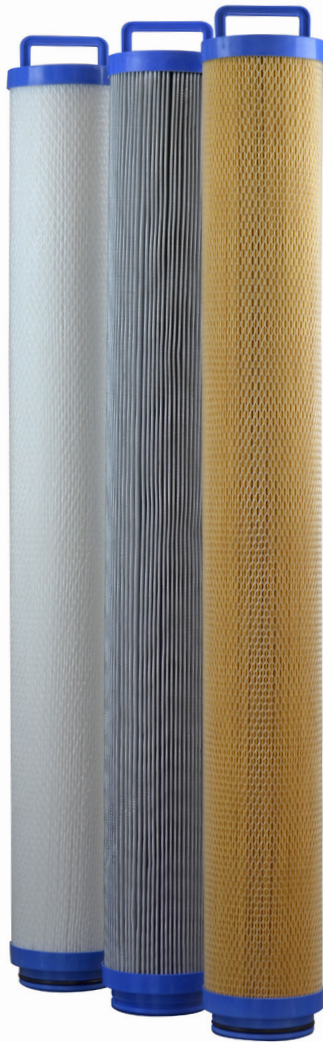


CLARIFY™ 500 SERIES



Cost Effective Filtration

FTC introduces its Clarify 500 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 nylon, polyester and tinned steel end caps and tin core for high temperature applications.

Benefits

- Designed to replace industry standard 5.00" 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
- High Temperature applications
- Ergonomic design allows for easy installation and extraction resulting in an operator friendly element
- Fixed pore media prevents particle unloading
- Absolute Rated media for reliable results in any critical application

Common Applications

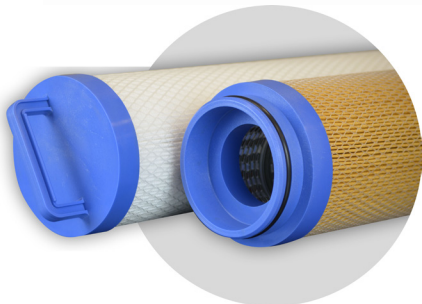
- Amines, Glycols, Sour Water, Acids, Bases, Diesel, Naphtha, LCO, Fuels, Pre-RO, Brines, Waterflood, Produced Water, Disposal Water

Dimensions

Outside Diameter..... 5.00"
Inside Diameter 2.5"
Length..... 40" (nominal)

Materials of Construction

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



PRODUCT SPECIFICATIONS

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

Surface Area: Up to 60 ft²

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

Recommended Flow Rate for Optimal Dirt Loading: 30 GPM

Recommended Differential Pressure for Change-out: 35 PSID

MEDIA MICRON RATING AT EFFICIENCY

FILTER MODEL	500	501	503	505	507	508	509	510
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	500	501	503	505	507	508	509	510
Pounds of Solids	4.15	4.92	5.27	5.27	5.45	5.53	5.80	6.00

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

FILTER MODEL	500	501	503	505	507	508	509	510
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	0.45
PSID @ 35 GPM	1.78	0.95	0.88	0.88	0.88	0.87	0.83	0.74
PSID @ 45 GPM	2.42	1.33	1.12	1.07	1.03	0.97	0.91	0.80

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 500 Filter Series	Micron Rating @ 99.98%	Non-Media Components	Media	Length	End Cap Style	O-Ring
EXAMPLE	AB	505	N	P	40	4	E
OPTIONS		500 = 0.5 Micron 501 = 2 Micron 503 = 5 Micron 505 = 10 Micron 507 = 20 Micron 508 = 40 Micron 509 = 70 Micron 510 = 100 Micron	N Nylon R Polyester M Tinned Steel	C Cellulose G Glass *P Polypropylene R Polyester N Nylon 6,6	40 - 40"	4 - External O-ring	E EPDM B Buna V Viton®

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

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