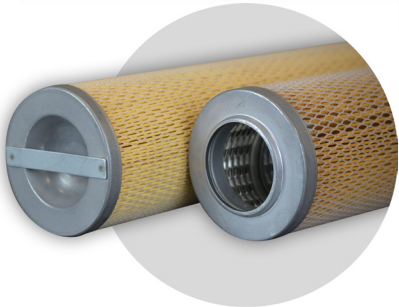


CLARIFY™ 380 SERIES



Cost Effective Filtration

FTC's Clarify 380 pleated cartridges are designed to efficiently remove a large range of solids from liquid process streams. Each cartridge has a pleated, fixed pore media that maximizes effective surface area while preventing particle unloading and fiber migration. Absolute media micron ratings between 0.5 to 100 micron Beta 5000.

The ABY model is an alternative to the Pall® MCC1401 style cartridge and the ABZ is an alternative for Pentair® 37390 style cartridge.

Benefits

- Heavy duty construction provides up to 75 PSID of allowable differential pressure for high pressure applications
- Design allows for easy installation and extraction resulting in an operator friendly element
- Internal 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
- Superior methods of construction combined with excellent quality control ensure FTC's Clarify 380 cartridges will provide quality filtration in difficult operating conditions

Common Applications

- Amines, Glycols, Completion Fluids, Brines, Waterflood, Produced Water, Disposal Water, Lube Oils, Heavy Oils

Dimensions

Outside Diameter..... 3.75"
 Inside Diameter 2.2" or 1.9"
 Length..... 40"

Materials of Construction

Filter Media..... Cellulose, Polypropylene,
 Micro-fiberglass, Polyester, Nylon
 Center Core..... Tinned Steel or Stainless Steel
 Netting Polypropylene or Nylon
 End Caps..... Tinned Steel or 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 44 ft² per filter

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

Recommended Flow Rate for Optimal Dirt Loading: 20 GPM

Recommended Differential Pressure for Change-out: 35 PSID

Maximum Recommended Differential Pressure: 75 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 40" filter

FILTER MODEL	0.5	2	5	10	20	40	70	100
Pounds of Solids	2.8	3.4	3.58	3.58	3.58	3.69	3.85	4.07

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

FILTER MODEL	0.5	2	5	10	20	40	70	100
PSID @ 20 GPM	1.30	0.42	0.24	0.23	0.21	0.19	0.19	0.14
PSID @ 40 GPM	4.57	0.52	0.49	0.47	0.46	0.46	0.41	0.35
PSID @ 60 GPM	7.64	1.79	1.07	1.04	1.01	0.77	0.60	0.52
PSID @ 80 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 380 Filter Series	Micron Rating @ 99.98%	Media	Length	End Cap Style	O-Ring
EXAMPLE	ABY	10	C	4	2	B
OPTIONS	ABY 3.75" w/139 O-ring Pall MCC1401 Alternative ABZ 3.75" w/134 O-ring Pentair 37390 Alternative	0.5 = 0.5 Micron 02 = 2 Micron 05 = 5 Micron 10 = 10 Micron 20 = 20 Micron 40 = 40 Micron 70 = 70 Micron 100 = 100 Micron	C Cellulose G Glass *P Polypropylene R Polyester N Nylon	4 - 40"	2 - Internal O-ring	B Buna-N E EPDM V Viton®

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

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