

COST EFFECTIVE FILTRATION

FTC's 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. Absolute media micron ratings between 0.5 to 100 micron.

Based on similar flow rates, FTC Conventional Series filters have up to 4 times the dirt holding capacity of typical string wound cartridges and up to twice the dirt holding capacity of typical spun bonded filters.

BENEFITS

- Provides significantly greater dirt holding than string wound and spun bonded elements.
- Simple installation with various end cap and seal material options to ensure positive capture of contaminants.
- Absolute Rated media for reliable results in any critical application.
- Fixed pore media prevents particle unloading and allows for absolute rating.
- Superior methods of construction combined with excellent quality control techniques, ensure that FTC filter cartridges will provide quality filtration in difficult operating conditions.

COMMON APPLICATIONS

- Water and wastewater, process fluids, amines, glycols, hydrocarbons, brines, organic solvents, fuels, acids, bases

DIMENSIONS

Outside Diameter: 2.50"
Inside Diameter: 1.1"
Length: 19.5", 20", 29.25", 29.5", 29.75", 29.25", 30", 36", 40"



MATERIALS OF CONSTRUCTION

Filter Media:	Cellulose, Polypropylene, Micro-fiberglass, Nylon and Polyester
Center Core:	Polypropylene, Tinned Steel, Stainless Steel
Netting:	Polypropylene, Polyester, Nylon
End Caps:	Polypropylene, 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 5.1 ft² Per 10" of filter length

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

Recommended Flow Rate for
Optimal Dirt Loading:
2.0 GPM per 10" of filter length

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 10" length

FILTER MODEL	0.5	2	5	10	20	40	70	100
Pounds of Solids	0.50	0.61	0.65	0.65	0.65	0.67	0.70	0.74

CLEAN PRESSURE DROP (PSID)* Per 10" 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 Center's standard test procedure, a modified version of ISO 19438.
The procedure uses ISO Standard test dust and deionized water as the challenge slurry. The reported data is based on the polypropylene elements.

CARTRIDGE CODING

AB	0.5	P	4	2	B
ABSOLUTE SERIES	MICRON RATING @ 99.98%	MEDIA	LENGTH	END CAP	SEAL MATERIAL
	0.5 - 0.5 Micron	C - Cellulose	2 - 29.75"	1 - DOE	B - Buna-N
	2 - 2 Micron	G - Glass	3 - 36"	2 - 222	E - EPDM
	5 - 5 Micron	*P - Polypropylene	4 - 40"	o-ring	V - Viton®
	10 - 10 Micron	R - Polyester	5 - 30"	3 - SOE	S - Silicone
	20 - 20 Micron	N - Nylon	6 - 29.25"	w/ Spring	
	40 - 40 Micron		7 - 29.50"	7 - 222	
	70 - 70 Micron		8 - 19.50"	w/ Fin	
	100 - 100 Micron		9 - 20"		

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

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