



PLATINUM 2040 SERIES FILTERS

Brochure Code PS2040-001-05-13

COST EFFECTIVE FILTRATION

The unique design, U.S. Patent No. 5824232, in FTC's 2040 PLATINUM Series absolute rated filter cartridge uses segregated flow channels and flow chambers to maximize the effective surface area of the pleated filter media within a 20.00 inch OD cartridge. Combining this design with the technique of pleating several different filter media together in a single pleat pack maximizes dirt holding capacity.

One 2040 PLATINUM Series filter is designed to have the dirt holding capacity of 150 standard 2.5 inch OD pleated cartridges of similar length. With a recommended flow rate of 450 GPM, this FTC PLATINUM Series filter is the solution to achieving optimum performance while minimizing filtration costs.

BENEFITS

- *FTC's highest dirt holding capacity cartridge*
- *Provides significantly greater dirt holding capacity than traditional industry size cartridges*
- *High concentration of surface area and dirt holding capacity into one cartridges allows for small vessel footprint in sensitive applications*
- *Wide-range of media options allows for compatibility with most fluids*
- *Constructed with metal end caps and core for high temperature applications*
- *Absolute rated media with fixed pore structure prevents particle unloading and provides reliable results in critical applications.*

COMMON APPLICATIONS

- *Fuels, Pre-RO, Completion Fluids, Brines, Waterflood, Produced Water, Disposal Water*



DIMENSIONS

Outside Diameter: 20.0"
Inside Diameter: 3.00" or 6.00"
Length: 40"

MATERIALS OF CONSTRUCTION

Filter Media: Cellulose, Polypropylene, Glass, Nylon or Polyester
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 and 70 Micron

Maximum Operating Conditions:
185°F (85°C) Continuous Operating Temp

Recommended Flow Rate for Optimal Dirt Loading:
150 GPM Per standard 40" filter

Maximum Recommended Flow Rate:
300 GPM Per standard 40" filter

Maximum Recommended Differential Pressure:
35 PSID

Data based on Filtration Technology Corporation Research and Development 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.

MEDIA MICRON RATING AT EFFICIENCY

FILTER MODEL	2040	2041	2043	2045	2047	2048	2049
99.00% (beta 100)	0.3	1	2	5	10	25	40
99.98% (beta 5000)	0.5	2	5	10	20	40	70

DIRT HOLDING CAPACITY (LBS)*

Based on Standard 40" filter element

FILTER MODEL	2040	2041	2043	2045	2047	2048	2049
Pounds of Solids	165	230	230	250	265	300	300

CLEAN PRESSURE DROP (PSID)*

Based on Standard 40" filter element w/ 6" ID

FILTER MODEL	2040	2041	2043	2045	2047	2048	2049
PSID @ 450 GPM	1.50	1.00	0.58	0.51	0.47	0.44	0.38
PSID @ 900 GPM	5.90	3.94	2.41	2.13	1.93	1.76	1.67

CARTRIDGE CODING

PS	2041		P	40	5	E
PLATINUM 2040 SERIES	MICRON RATING 99.98%	NON-MEDIA COMPONENTS	MEDIA	LENGTH	END CAP	O-RING SEAL
	2040 - 0.5 Micron	None - Carbon Steel	C - Cellulose	40 - 40"	5 - Dual o-ring (3" ID)	B - Buna
	2041 - 2 Micron	S - 304 Stainless	G - Glass		X - Internal o-ring (6" ID)	E - EPDM
	2043 - 5 Micron		N - Nylon			V - Viton®
	2045 - 10 Micron		P - Polypropylene			
	2047 - 20 Micron		R - Polyester			
	2048 - 40 Micron					
	2049 - 70 Micron					

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