

CLARIFY™ 2040 PLATINUM SERIES

Cost Effective Filtration

The unique design, U.S. Patent No. 5824232, in FTC's Clarify 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 Clarify 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 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
- Constructed with metal end caps and core for high temperature applications
- Wide-range of media options allows for compatibility with most fluids
- Absolute rated media with fixed pore structure prevents particle unloading and provides reliable results in critical applications

Common Applications

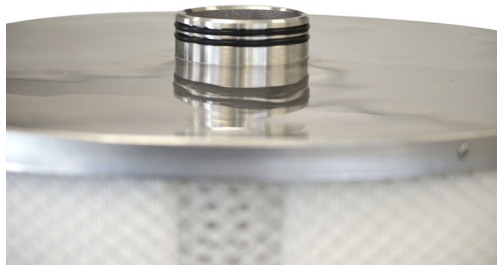
- Water and Wastewater, Process Fluids, Hydrocarbons, Brines, Organic Solvents, Fuels

Dimensions

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

Materials of Construction

Filter Media..... Cellulose, Polypropylene, Micro-fiberglass, 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

Surface Area: Up to 1,200 ft²

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

Recommended Flow Rate for Optimal Dirt Loading: 450 GPM

Maximum Recommended Flow Rate: 900 GPM

Recommended Differential Pressure for change-out: 35 PSID

Maximum Recommended Differential Pressure: 50 PSID

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)* per standard 40" filter

FILTER MODEL	2040	2041	2043	2045	2047	2048	2049
Pounds of Solids	105	230	230	250	265	300	300

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

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

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 2040 Platinum Filter Series	Micron Rating @ 99.98%	Non-Media Components	Media	Length	End Cap Style	O-Ring
EXAMPLE	PS	2041		P	40	5	E
OPTIONS		2040 = 0.5 Micron 2041 = 2 Micron 2043 = 5 Micron 2045 = 10 Micron 2047 = 20 Micron 2048 = 40 Micron 2049 = 70 Micron	Blank Tinned Steel S 304 Stainless	C Cellulose G Glass N Nylon *P Polypropylene R Polyester	40 - 40"	5 Dual O-ring (3" ID) X Internal O-ring (6" ID)	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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