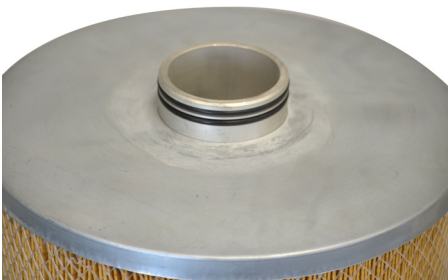


CLARIFY™ 940 PLATINUM SERIES



Cost Effective Filtration

The unique design, U.S. Patent No. 5824232, in FTC's Clarify 940 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 12.75 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 940 Platinum Series filter is designed to have the dirt holding capacity of 50 standard 2.5 inch OD pleated cartridges of similar length. With a recommended flow rate of 150 GPM, this series filter is the solution to achieving optimum performance while minimizing filtration costs.

Benefits

- Provides significantly greater dirt holding capacity than traditional industry size cartridges
- High concentration of surface area and dirt holding capacity into one cartridge 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

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

Dimensions

Outside Diameter..... 12.75"

Inside Diameter 3.00"

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, 70 and 100 micron

Surface Area: Up to 400 ft²

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

Recommended Flow Rate for Optimal Dirt Loading: 150 GPM

Maximum Recommended Flow Rate: 300 GPM

Recommended Differential Pressure for change-out: 35 PSID

Maximum Recommended Differential Pressure: 50 PSID

MEDIA MICRON RATING AT EFFICIENCY

FILTER MODEL	940	941	943	945	947	948	949	9410
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	940	941	943	945	947	948	949	9410
Pounds of Solids	55	76	80	83	85	100	100	100

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

FILTER MODEL	940	941	943	945	947	948	949	9410
PSID @ 150 GPM	1.58	1.05	0.61	0.54	0.50	0.46	0.40	0.35
PSID @ 300 GPM	6.20	4.15	2.54	2.25	2.03	1.85	1.76	1.54

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 940 Platinum Filter Series	Micron Rating @ 99.98%	Non-Media Components	Media	Length	End Cap Style	O-Ring
EXAMPLE	PS	941		P	40	5	E
OPTIONS		940 = 0.5 Micron 941 = 2 Micron 943 = 5 Micron 945 = 10 Micron 947 = 20 Micron 948 = 40 Micron 949 = 70 Micron 9410 = 100 Micron	Blank Tinned Steel S 304 Stainless	C Cellulose G Glass N Nylon *P Polypropylene R Polyester	40 - 40"	5 Dual 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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