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PLATINUM 940 SERIES FILTERS

PS-940-001-05-15

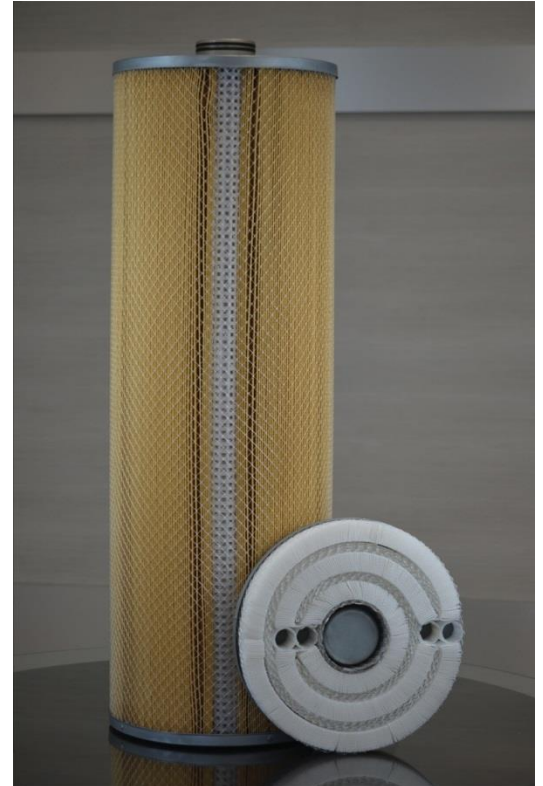
COSTEFFECTIVE FILTRATION

HART 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 HART 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 HART PLATINUM 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"

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

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

Maximum 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)* *Based on Standard 40" filter element*

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)* *Based on Standard 40" filter element*

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 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.

PLATINUM 940 SERIES

MICRON RATING @ 99.98%

- 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

NON-MEDIA COMPONENTS

- Blank- Tinned Steel
- S- 304 Stainless

MEDIA

- C - Cellulose
- G - Glass
- N - Nylon
- *P - Polypropylene
- R - Polyester

LENGTH

40 - 40"

END CAP

5 - Dual O-ring

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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