



# PLATINUM SELECT 740 SERIES FILTERS

Brochure Code PSS-001-10-12

## ***COST EFFECTIVE FILTRATION***

The original FTC 700 style Platinum Design has been re-engineered to provide a greater range of micron ratings and more dirt holding capacity.

The introduction of a specific pre-filtration depth media, in conjunction with more efficient flow channels and flow chambers, provides amazing results. This combination optimizes the effective filtration surface area of the pleated filter media while maximizing dirt holding capacity.

Available in a wide variety of filter media, these next generation cartridges can be constructed with metal or non-polypropylene components for applications that involve higher temperatures.

## ***BENEFITS***

- *Highest dirt holding capacity in 740 style cartridge*
- *Wide-range of media and hardware options allows for compatibility with almost any fluid*
- *Broad range of micron ratings and efficiencies*
- *Ergonomic design allows for easy installation and extraction resulting in an operator friendly element*
- *Absolute rated media with fixed pore structure prevents particle unloading and provides reliable results in critical applications*
- *Superior methods of construction combined with excellent quality control, ensure FTC Platinum Select cartridges will provide quality filtration in difficult operating conditions*

## ***COMMON APPLICATIONS***

- *Amines, Glycols, Acids, Bases, Fuels, Pre-RO, Completion Fluids, Brines, Waterflood, Produced Water, Disposal Water*



## ***DIMENSIONS***

Outside Diameter: 6.25"  
Inside Diameter: 1.55"  
Length: 40" and 30"

## ***MATERIALS OF CONSTRUCTION***

Filter Media: Cellulose, Polypropylene, Glass, Nylon or Polyester  
Center Core: Polypropylene, Tinned Steel, Stainless Steel  
Netting: Polypropylene or Nylon  
End Caps: Polypropylene, Tinned Steel, Stainless Steel

# PRODUCT SPECIFICATIONS

**Micron Ratings @ 99.98% (beta 5000):**  
0.5, 2, 5, 10, 20, 30, 40, 70, 100  
and 135 Micron

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

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

**Maximum Recommended Flow Rate:**  
100 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	74D	74E	74F	74G	74H	74J	74K	74L	74M	74N
99.00% (beta 100)	0.3	1	2	5	10	15	25	40	70	100
99.98% (beta 5000)	0.5	2	5	10	20	30	40	70	100	135

## DIRT HOLDING CAPACITY (LBS)\*

*Based on Standard 40" filter element*

FILTER MODEL	74D	74E	74F	74G	74H	74J	74K	74L	74M	74N
Pounds of Solids	16.5	18.9	21.5	21.6	22	22.4	23.1	24.3	24.5	24.7

## CLEAN PRESSURE DROP (PSID)\*

*Based on Standard 40" filter element*

FILTER MODEL	74D	74E	74F	74G	74H	74J	74K	74L	74M	74N
PSID @ 20 GPM	0.93	0.62	0.24	0.21	0.19	0.19	0.19	0.19	0.19	0.19
PSID @ 40 GPM	1.78	1.14	0.87	0.85	0.81	0.79	0.78	0.78	0.78	0.76
PSID @ 60 GPM	2.97	2.24	1.71	1.67	1.67	1.67	1.67	1.67	1.66	1.63
PSID @ 80 GPM	5.63	3.77	2.53	2.36	2.34	2.33	2.25	2.25	2.22	2.19

## CARTRIDGE CODING

<b>PSS</b>	—	<b>74K</b>	—	<b>P</b>	<b>P</b>	<b>40</b>	<b>6</b>	<b>E</b>
PLATINUM SELECT SERIES		MICRON RATING 99.98%		NON-MEDIA COMPONENTS	MEDIA	LENGTH	END CAP	O-RING SEAL
		74D - 0.5 Micron		*P - Polypropylene	C - Cellulose	40 - 40"	6 - 226	B - Buna
		74E - 2 Micron		M - Carbon Steel	G - Glass	30 - 30"	3 - R-P Style	E - EPDM
		74F - 5 Micron		S - 304 Stainless	N - Nylon			V - Viton®
		74G - 10 Micron			P - Polypropylene			
		74H - 20 Micron			R - Polyester			
		74J - 30 Micron						
		74K - 40 Micron						
		74L - 70 Micron						
		74M - 100 Micron						
		74N - 135 Micron						

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

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