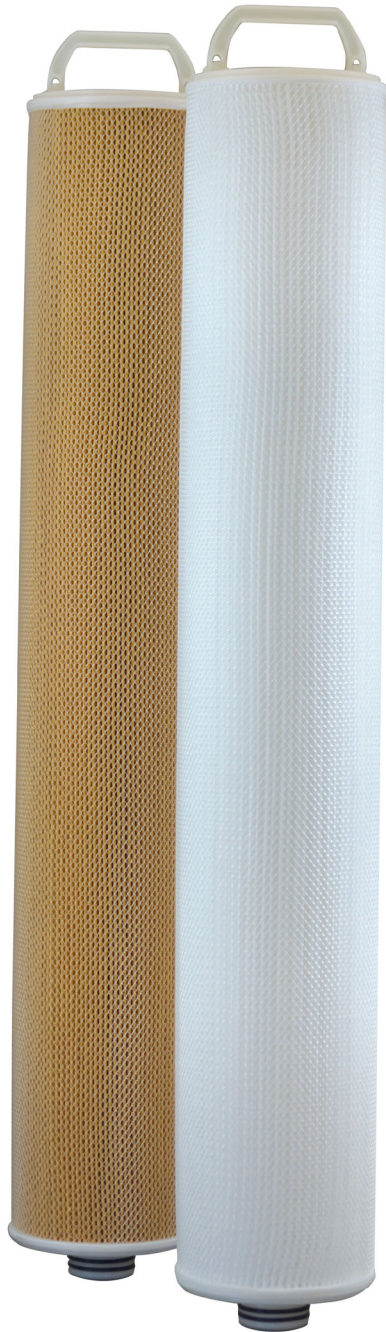


# CLARIFY™ 740 DEEP PLEAT SERIES



## Cost Effective Filtration

FTC is pleased to introduce its Clarify 740 Deep Pleat cartridge.

The FTC Clarify 740 Deep Pleat design has been engineered to maximize the effective surface area of pleated filter media with a single row of pleats in a 740 style cartridge. Combining this design with the technique of pleating several different filter media together in a single pleat pack maximizes dirt holding capacity.

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

## Benefits

- Provides more surface area and much greater dirt holding than standard industry deep pleat elements
- Wide range of media and hardware options allows for compatibility with almost any fluid
- Ergonomic design allows for easy installation and extraction resulting in an operator friendly element
- Dual o-ring seal to ensure positive capture of contaminants
- Absolute rated media with fixed pore structure prevents particle unloading and provides reliable results in critical applications

## Common Applications

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

## Dimensions

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

## Materials of Construction

Filter Media..... Cellulose, Polypropylene,  
Micro-fiberglass, Polyester, Nylon  
Center Core..... Polypropylene, Tinned Steel,  
Stainless Steel  
Netting ..... Polypropylene, Nylon  
End Caps..... Polypropylene, Tinned Steel, Stainless Steel

## PRODUCT SPECIFICATIONS

Micron Ratings @ 99.00% (beta 100): 1, 2, 5, 10, 20, 40 and 70 micron

Surface Area: Up to 77 ft<sup>2</sup>

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

Maximum Recommended Flow Rate: 100 GPM

Recommended Flow Rate for Optimal Dirt Loading: 40 GPM

Recommended Differential Pressure for Change-out: 35 PSID

## MEDIA MICRON RATING AT EFFICIENCY

| FILTER MODEL       | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| 99.00% (beta 100)  | 1   | 2   | 5   | 10  | 15  | 25  | 40  | 70  |
| 99.98% (beta 5000) | 2   | 5   | 10  | 20  | 30  | 40  | 70  | 100 |

## DIRT HOLDING CAPACITY (LBS)\* per standard 40" filter

| FILTER MODEL     | 742 | 743  | 744  | 745  | 746  | 747  | 748  | 749  |
|------------------|-----|------|------|------|------|------|------|------|
| Pounds of Solids | 9.9 | 11.4 | 11.4 | 12.3 | 13.8 | 13.8 | 14.5 | 14.5 |

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

| FILTER MODEL  | 742  | 743  | 744  | 745  | 746  | 747  | 748  | 749  |
|---------------|------|------|------|------|------|------|------|------|
| PSID @ 20 GPM | 0.64 | 0.33 | 0.30 | 0.28 | 0.27 | 0.26 | 0.24 | 0.24 |
| PSID @ 40 GPM | 1.19 | 0.98 | 0.95 | 0.91 | 0.88 | 0.85 | 0.85 | 0.83 |
| PSID @ 60 GPM | 2.45 | 1.85 | 1.81 | 1.80 | 1.78 | 1.77 | 1.77 | 1.73 |
| PSID @ 80 GPM | 3.8  | 2.80 | 2.65 | 2.61 | 2.59 | 2.55 | 2.50 | 2.47 |

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 740 Deep Pleat | Micron Rating @ 99.00%  | End Cap Material   | Media  | Length                             | End Cap Style         | Seal Material                                     |
|---------|------------------------|---|--|--|------------------------------------|-----------------------|---|
| EXAMPLE | DPB                    | 745   | P  | P  | 40                                 | 6                     | E   |
| OPTIONS |                        | <b>742</b> = 1 Micron<br><b>743</b> = 2 Micron<br><b>744</b> = 5 Micron<br><b>745</b> = 10 Micron<br><b>746</b> = 15 Micron<br><b>747</b> = 25 Micron<br><b>748</b> = 40 Micron<br><b>749</b> = 70 Micron | <b>*P</b> Polypropylene<br><b>M</b> Tinned Steel<br><b>S</b> 304 Stainless | <b>C</b> Cellulose<br><b>P</b> Polypropylene<br><b>G</b> Glass<br><b>R</b> Polyester<br><b>N</b> Nylon 6,6 | <b>40</b> - 40"<br><b>30</b> - 30" | <b>6</b> - 226 O-ring | <b>E</b> EPDM<br><b>B</b> Buna<br><b>V</b> Viton® |

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

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