Filtration Technology Corporation (FTC) is a leading technology liquid cartridge filter manufacturer founded in 1987. FTC is dedicated to providing custom engineered solutions for the Oil & Gas, Petrochemical and Industrial Industries.

FTC’s manufacturing operation utilizes the latest technology equipment to produce a wide variety of specialized filtration products that are sold around the world.

FTC’s 60,000 square foot facility located in Houston, Texas provides an integrated home for our manufacturing, marketing, research and development personnel.

FTC’s product line includes pleated cartridge filters, pleated bag filters, oil removal filters, high capacity filters, coalescing filters, and a wide variety of specialty filters.
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## I. INTRODUCTION

## II. TABLE OF CONTENTS

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<td><strong>VI. BAG FILTRATION FILTERS</strong></td>
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<tr>
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<td>MC-650</td>
<td>Premium Pleated Bag</td>
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<td>• High Capacity Bag 550 Series</td>
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<td>Economy Pleated Bag</td>
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<td>NB-100</td>
<td>Nominal Pleated Bag</td>
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<td>DPW-600</td>
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<tr>
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<tr>
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</tr>
<tr>
<td>• 740 Emerald Series</td>
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<td><strong>VIII. COALESCE FILTERS</strong></td>
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<tr>
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<td>• CG28 Liquid-Gas Coalescer Series</td>
<td>CG28</td>
<td>PECO Style</td>
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<td>• CG40 Liquid-Gas Coalescer Series</td>
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</tr>
<tr>
<td>• CG60 Liquid-Gas Coalescer Series</td>
<td>CG60</td>
<td>Pall Style</td>
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</table>
FTC’s Research and Development Department is a prime example of the company’s dedication to improving its existing products while developing new ones.

Particle Analysis is performed at the submicron level with a computerized microscope.

The FTC Bench Lab is used to perform gravimetric analysis, filterability testing, and oil-water analysis.

The FTC Full Scale Test Lab, with flow rate capability of up to 800 GPM is used to test the comparative performance of different filters.

The FTC Test Loop utilizes a 1100 gallon clean water tank, twin 450 GPM centrifugal pumps, dual 90 gallon particle injection tanks, flow meters, and a half micron cleanup filter.
COST EFFECTIVE FILTRATION

FTC’s pleated cartridges are designed to efficiently remove a large range of solids from process streams. Each cartridge has a pleated, fixed pore media which maximizes effective surface area while preventing particle unloading and fiber migration. Absolute media micron ratings between 0.5 to 100 micron.

Based on similar flow rates, FTC Conventional Series filters have up to 4 times the dirt holding capacity of typical string wound cartridges and up to twice the dirt holding capacity of typical spun bonded filters.

BENEFITS

• Provides significantly greater dirt holding than string wound and spun bonded elements.
• Simple installation with various end cap and seal material options to ensure positive capture of contaminants.
• Absolute Rated media for reliable results in any critical application.
• Fixed pore media prevents particle unloading and allows for absolute rating.
• Superior methods of construction combined with excellent quality control techniques, ensure that FTC filter cartridges will provide quality filtration in difficult operating conditions.

COMMON APPLICATIONS

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

DIMENSIONS

| Outside Diameter: | 2.50” |
| Inside Diameter:  | 1.1”  |
| Length:           | 20”, 29.25”, 29.5”, 29.75”, 30”, 36”, 40” |

MATERIALS OF CONSTRUCTION

Filter Media: Cellulose, Polypropylene, Micro-Fiberglass, Polyester, and Nylon
Center Core: Polypropylene, Tinned Steel, Stainless Steel
Netting: Polypropylene, Polyester
End Caps: Polypropylene, Tinned Steel, 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 5.1 ft² Per 10” of filter length

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

Recommended Flow Rate for Optimal Dirt Loading:
2.0 GPM Per 10” of filter length

Maximum Recommended Differential Pressure:
35 PSID

---

**MEDIA MICRON RATING AT EFFICIENCY**

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>0.5</th>
<th>2</th>
<th>5</th>
<th>10</th>
<th>20</th>
<th>40</th>
<th>70</th>
<th>100</th>
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<tbody>
<tr>
<td>99.00% (beta 100)</td>
<td>0.3</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>25</td>
<td>40</td>
<td>70</td>
</tr>
<tr>
<td>99.98% (beta 5000)</td>
<td>0.5</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>40</td>
<td>70</td>
<td>100</td>
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**DIRT HOLDING CAPACITY (LBS)***

Per 10” length

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>0.5</th>
<th>2</th>
<th>5</th>
<th>10</th>
<th>20</th>
<th>40</th>
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<tbody>
<tr>
<td>Pounds of Solids</td>
<td>0.50</td>
<td>0.61</td>
<td>0.65</td>
<td>0.65</td>
<td>0.65</td>
<td>0.67</td>
<td>0.70</td>
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**CLEAN PRESSURE DROP (PSID)***

Per 10” length

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<th>0.5</th>
<th>2</th>
<th>5</th>
<th>10</th>
<th>20</th>
<th>40</th>
<th>70</th>
<th>100</th>
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</thead>
<tbody>
<tr>
<td>PSID @ 2 GPM</td>
<td>1.30</td>
<td>0.42</td>
<td>0.24</td>
<td>0.23</td>
<td>0.21</td>
<td>0.19</td>
<td>0.19</td>
<td>0.14</td>
</tr>
<tr>
<td>PSID @ 4 GPM</td>
<td>4.57</td>
<td>0.52</td>
<td>0.49</td>
<td>0.47</td>
<td>0.46</td>
<td>0.46</td>
<td>0.41</td>
<td>0.35</td>
</tr>
<tr>
<td>PSID @ 6 GPM</td>
<td>7.64</td>
<td>1.79</td>
<td>1.07</td>
<td>1.04</td>
<td>1.01</td>
<td>0.77</td>
<td>0.60</td>
<td>0.52</td>
</tr>
<tr>
<td>PSID @ 8 GPM</td>
<td>10.4</td>
<td>2.80</td>
<td>1.69</td>
<td>1.67</td>
<td>1.65</td>
<td>1.40</td>
<td>1.29</td>
<td>1.15</td>
</tr>
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**CARTRIDGE CODING**

<table>
<thead>
<tr>
<th>AB</th>
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<th>P</th>
<th>4</th>
<th>2</th>
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</thead>
<tbody>
<tr>
<td>ABSOLUTE SERIES</td>
<td>MICRON RATING</td>
<td>MEDIA</td>
<td>LENGTH</td>
<td>END CAP</td>
</tr>
<tr>
<td>99.98%</td>
<td>0.5 - 0.5 Micron</td>
<td>P - Polypropylene</td>
<td>2 - 29.75&quot;</td>
<td>1 - DOE</td>
</tr>
<tr>
<td></td>
<td>02 - 2 Micron</td>
<td>C - Cellulose</td>
<td>3 - 36&quot;</td>
<td>2 - 222 O-Ring</td>
</tr>
<tr>
<td></td>
<td>05 - 5 Micron</td>
<td>G - Glass</td>
<td>4 - 40&quot;</td>
<td>3 - SOE w/ Spring</td>
</tr>
<tr>
<td></td>
<td>10 - 10 Micron</td>
<td>R - Polyester</td>
<td>5 - 30&quot;</td>
<td>7 - 222 w/ Fin</td>
</tr>
<tr>
<td></td>
<td>20 - 20 Micron</td>
<td>N - Nylon</td>
<td>6 - 29.25&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>40 - 40 Micron</td>
<td></td>
<td>7 - 29.50</td>
<td></td>
</tr>
<tr>
<td></td>
<td>70 - 70 Micron</td>
<td></td>
<td>9 - 20&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>100 - 100 Micron</td>
<td></td>
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</table>
COST EFFECTIVE FILTRATION

FTC’s ABP Series pleated cartridges are designed to efficiently remove a large range of solids from process streams. Each cartridge has a pleated, fixed pore media which maximizes effective surface area while preventing particle unloading and fiber migration.

The ABP Series will fit all 336 style filter vessels in the market and provide absolute micron ratings between 0.5 to 100 micron. FTC’s superior methods of construction combined with excellent quality control, ensure ABP cartridges will provide quality filtration in difficult operating conditions.

BENEFITS

• Due to the surface area and dirt holding capacity of the ABP Series filters, they provide a significant cost savings compared to the conventional non-pleated string wound, depth and spun bonded 336 filters.
• Having the cap and spring as part of the element provides easy installation and extraction resulting in a more operator friendly element than standard double open ended cartridges.
• Gasket 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, Completion Fluids, Brines, Fuels, Waterflood, Produced Water, Disposal Water

DIMENSIONS

Outside Diameter: 3.00”
Inside Diameter: 1.5”
Length: 36”

MATERIALS OF CONSTRUCTION

Filter Media: Cellulose, Polypropylene, Micro-Fiberglass, Polyester or Nylon
Center Core: Tinned Steel
Netting: Polypropylene or Polyester
End Caps: Tinned Steel
PRODUCT SPECIFICATIONS

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

Surface Area:
Up to 18 ft² Per Filter

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

Recommended Flow Rate for Optimal Dirt Loading:
8 GPM Per Filter

Maximum Recommended Differential Pressure:
35 PSID

Notice: The information presented here is based on tests and data which FTC believes to be reliable, but their accuracy or completeness is not guaranteed. FTC MAKES NO WARRANTIES, EXPRESS OR IMPLIED, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The determination of whether the FTC product is fit for a particular purpose or application is the responsibility of the user.

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.

CARTRIDGE CODING

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<tr>
<td>ABSOLUTE SERIES 336 STYLE</td>
<td>MICRON RATING 99.98%</td>
<td>MEDIA</td>
<td>LENGTH</td>
<td>END CAP</td>
</tr>
<tr>
<td>0.5 - 0.5 Micron</td>
<td>C - Cellulose</td>
<td>3 - 36&quot;</td>
<td>1 - DOE</td>
<td></td>
</tr>
<tr>
<td>02 - 2 Micron</td>
<td>G - Glass</td>
<td>3 - SOE w/ Spring</td>
<td></td>
<td></td>
</tr>
<tr>
<td>05 - 5 Micron</td>
<td>P - Polypropylene</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 - 10 Micron</td>
<td>R - Polyester</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20 - 20 Micron</td>
<td>N - Nylon</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40 - 40 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>70 - 70 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 - 100 Micron</td>
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MEDIA MICRON RATING AT EFFICIENCY

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<th>5</th>
<th>10</th>
<th>20</th>
<th>40</th>
<th>70</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>99.00% (beta 100)</td>
<td>0.3</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>25</td>
<td>40</td>
<td>70</td>
</tr>
<tr>
<td>99.98% (beta 5000)</td>
<td>0.5</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>40</td>
<td>70</td>
<td>100</td>
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DIRT HOLDING CAPACITY (LBS)*
Per 36” Filter

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>0.5</th>
<th>2</th>
<th>5</th>
<th>10</th>
<th>20</th>
<th>40</th>
<th>70</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pounds of Solids</td>
<td>1.65</td>
<td>2.01</td>
<td>2.15</td>
<td>2.15</td>
<td>2.15</td>
<td>2.21</td>
<td>2.31</td>
<td>2.44</td>
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CLEAN PRESSURE DROP (PSID)*
Per 10” length

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>0.5</th>
<th>2</th>
<th>5</th>
<th>10</th>
<th>20</th>
<th>40</th>
<th>70</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSID @ 2 GPM</td>
<td>1.30</td>
<td>0.42</td>
<td>0.24</td>
<td>0.23</td>
<td>0.21</td>
<td>0.19</td>
<td>0.19</td>
<td>0.14</td>
</tr>
<tr>
<td>PSID @ 4 GPM</td>
<td>4.57</td>
<td>0.52</td>
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<td>10.4</td>
<td>2.80</td>
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<td>1.67</td>
<td>1.65</td>
<td>1.40</td>
<td>1.29</td>
<td>1.15</td>
</tr>
</tbody>
</table>

Filtration Technology Corporation
5175 Ashley Court
Houston, Texas 77041
(713) 849-0849 • 888-436-0849 • FAX (713) 849-0202
www.ftc-houston.com
COST EFFECTIVE FILTRATION

FTC’s ABY & ABZ pleated cartridges are designed to efficiently remove a large range of solids from gas or liquid process streams. Each cartridge has a pleated, fixed pore media which maximizes effective surface area while preventing particle unloading and fiber migration. Absolute media micron ratings between 0.5 to 100 micron Beta 5000.

The ABY model is an alternative to the Pall’s® MCC1401 style cartridge and the ABZ is an alternative for Porous Media’s 37390 style cartridge.

BENEFITS

- Heavy duty construction provides up to 75 PSID of allowable differential pressure for high pressure gas applications.
- Design allows for easy installation and extraction resulting in an operator friendly element.
- Internal 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.
- Superior methods of construction combined with excellent quality control, ensure FTC’s ABY and ABZ cartridges will provide quality filtration in difficult operating conditions.

COMMON APPLICATIONS

- Dry Gas Particle Filtration, Amines, Glycols, Completion Fluids, Brines, Waterflood, Produced Water, Disposal Water

DIMENSIONS

Outside Diameter: 3.75”
Inside Diameter: 2.2” or 1.9”
Length: 40”

MATERIALS OF CONSTRUCTION

Filter Media: Cellulose, Polypropylene, Micro-Fiberglass, Polyester or Nylon
Center Core: Tinned Steel
Netting: Polypropylene or Nylon
End Caps: Tinned Steel
PRODUCT SPECIFICATIONS

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

Surface Area:
Up to 44 ft² Per Filter

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

Recommended Flow Rate for Optimal Dirt Loading:
20 GPM Per Filter

Recommended Change-out Differential Pressure:
35 PSID

Maximum Recommended Differential Pressure:
75 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.

CARTRIDGE CODING

<table>
<thead>
<tr>
<th>ABY</th>
<th>10</th>
<th>C</th>
<th>4</th>
<th>2</th>
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</thead>
<tbody>
<tr>
<td>ABSOLUTE SERIES</td>
<td>MICRON RATING</td>
<td>MEDIA</td>
<td>LENGTH</td>
<td>END CAP</td>
</tr>
<tr>
<td>ABY - 3.75” w/ 139 O-Ring</td>
<td>99.98%</td>
<td>Cellulose</td>
<td>40.00”</td>
<td>Internal O-Ring</td>
</tr>
<tr>
<td>Pall® MCC1401 Alternative</td>
<td>0.5 - 0.5 Micron</td>
<td>Glass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ABZ - 3.75” w/ 134 O-Ring</td>
<td>02 - 2 Micron</td>
<td>Polypropylene</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PM™ 37390 Alternative</td>
<td>05 - 5 Micron</td>
<td>Polyester</td>
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<td></td>
<td>10 - 10 Micron</td>
<td>Nylon</td>
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<td>100 - 100 Micron</td>
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COST EFFECTIVE FILTRATION

FTC introduces its AB-430 Series absolute rated filter cartridge. Each cartridge has a fixed pore media with a pleat designed to maximize effective surface area and dirt holding capacity while preventing particle unloading and fiber migration.

Available in a wide variety of filter media, this cartridge can be constructed with acetal end caps and a tinned steel core for fuel or high temperature applications.

BENEFITS

• Designed to replace industry standard 4.25” OD filter elements
• Dirt holding capacity is maximized in media selection and pleat design
• 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, Sour Water, Acids, Bases, Diesel, Naphtha, LCO, Fuels, Pre-RO, Brines, Waterflood, Produced Water, Disposal Water

DIMENSIONS

Outside Diameter: 4.25”
Inside Diameter: 1.5”
Length: 40” (nominal)

MATERIALS OF CONSTRUCTION

Filter Media: Cellulose, Polypropylene, Micro-Fiberglass, Polyester, and Nylon
Center Core: Polypropylene, Tinned Steel and Stainless Steel
Netting: Polypropylene and Nylon
End Caps: Polypropylene, Acetal and Tinned Steel
**PRODUCT SPECIFICATIONS**

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

Surface Area:
Up to 45 ft² per standard 40” filter

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

Recommended Flow Rate for Optimal Dirt Loading:
25 GPM Per 40” standard filter

Maximum Recommended Flow Rate:
80 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**

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>430</th>
<th>431</th>
<th>433</th>
<th>435</th>
<th>437</th>
<th>438</th>
<th>439</th>
<th>4310</th>
</tr>
</thead>
<tbody>
<tr>
<td>99.00% (beta 100)</td>
<td>0.3</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>25</td>
<td>40</td>
<td>70</td>
</tr>
<tr>
<td>99.98% (beta 5000)</td>
<td>0.5</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>40</td>
<td>70</td>
<td>100</td>
</tr>
</tbody>
</table>

**DIRT HOLDING CAPACITY (LBS)*

Per standard 40” filter

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>430</th>
<th>431</th>
<th>433</th>
<th>435</th>
<th>437</th>
<th>438</th>
<th>439</th>
<th>4310</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pounds of Solids</td>
<td>4.15</td>
<td>4.92</td>
<td>5.27</td>
<td>5.27</td>
<td>5.45</td>
<td>5.53</td>
<td>5.80</td>
<td>6.15</td>
</tr>
</tbody>
</table>

**CLEAN PRESSURE DROP (PSID)*

Per standard 40” filter

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>430</th>
<th>431</th>
<th>433</th>
<th>435</th>
<th>437</th>
<th>438</th>
<th>439</th>
<th>4310</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSID @ 15 GPM</td>
<td>1.03</td>
<td>0.47</td>
<td>0.34</td>
<td>0.34</td>
<td>0.33</td>
<td>0.30</td>
<td>0.29</td>
<td>0.28</td>
</tr>
<tr>
<td>PSID @ 25 GPM</td>
<td>1.57</td>
<td>0.74</td>
<td>0.60</td>
<td>0.60</td>
<td>0.58</td>
<td>0.56</td>
<td>0.51</td>
<td>0.47</td>
</tr>
<tr>
<td>PSID @ 35 GPM</td>
<td>1.78</td>
<td>0.95</td>
<td>0.88</td>
<td>0.88</td>
<td>0.88</td>
<td>0.87</td>
<td>0.83</td>
<td>0.81</td>
</tr>
<tr>
<td>PSID @ 45 GPM</td>
<td>2.42</td>
<td>1.33</td>
<td>1.12</td>
<td>1.07</td>
<td>1.03</td>
<td>0.97</td>
<td>0.91</td>
<td>0.89</td>
</tr>
</tbody>
</table>

**CARTRIDGE CODING**

**AB** — **435** — **P** **P** **40** **6** **E**

**ABSOLUTE RATED FILTER SERIES**

**MICRON RATING**

**99.98%**

**NON-MEDIA COMPONENTS**

- *P* - Polypropylene
- **P** - Polypropylene
- **C** - Cellulose
- **L** - Acetal
- **G** - Glass
- **M** - Tinned Steel
- **R** - Polyester
- **N** - Nylon
- **V** - Viton®

**MEDIA COMPONENTS**

- **40 - 40”**
- **6 - 226 O-Ring**
- **E - EPDM**
- **B - Buna**

**LENGTH**

- **40 - 40”**
- **6 - 226 O-Ring**

**END CAP**

- **40 - 40”**
- **6 - 226 O-Ring**

**O-RING**

- **40 - 40”**
- **6 - 226 O-Ring**

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

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COST EFFECTIVE FILTRATION

FTC introduces its AB-500 Series absolute rated filter cartridge. Each cartridge has a fixed pore media with a pleat designed to maximize effective surface area and dirt holding capacity while preventing particle unloading and fiber migration.

Available in a wide variety of filter media, this cartridge can be constructed with nylon, polyester and tinned steel end caps and tin core for high temperature applications.

BENEFITS

• Designed to replace industry standard 5.00” OD filter elements
• Dirt holding capacity is maximized in media selection and pleat design
• Wide-range of media and hardware options allows for compatibility with almost any fluid
• High Temperature applications
• Ergonomic design allows for easy installation and extraction resulting in an operator friendly element
• Fixed pore media prevents particle unloading
• Absolute Rated media for reliable results in any critical application

COMMON APPLICATIONS

• Amines, Glycols, Sour Water, Acids, Bases, Diesel, Naphtha, LCO, Fuels, Pre-RO, Brines, Waterflood, Produced Water, Disposal Water

DIMENSIONS

Outside Diameter: 5.00”
Inside Diameter: 2.50”
Length: 40” (nominal)

MATERIALS OF CONSTRUCTION

Filter Media: Cellulose, Polypropylene, Micro-Fiberglass, Polyester, and Nylon
Center Core: Tinned Steel and Stainless Steel
Netting: Polypropylene and Nylon
End Caps: Nylon, Polyester and Tinned Steel
PRODUCT SPECIFICATIONS

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

Surface Area:
Up to 45 ft² per standard 40” filter

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

Recommended Flow Rate for Optimal Dirt Loading:
25 GPM Per 40” standard 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 on the polypropylene elements.

MEDIA MICRON RATING AT EFFICIENCY

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>500</th>
<th>501</th>
<th>503</th>
<th>505</th>
<th>507</th>
<th>508</th>
<th>509</th>
</tr>
</thead>
<tbody>
<tr>
<td>99.00% (beta 100)</td>
<td>0.3</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>25</td>
<td>40</td>
</tr>
<tr>
<td>99.98% (beta 5000)</td>
<td>0.5</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>40</td>
<td>70</td>
</tr>
</tbody>
</table>

DIRT HOLDING CAPACITY (LBS)*
Per standard 40” filter

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>500</th>
<th>501</th>
<th>503</th>
<th>505</th>
<th>507</th>
<th>508</th>
<th>509</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pounds of Solids</td>
<td>4.15</td>
<td>4.92</td>
<td>5.27</td>
<td>5.27</td>
<td>5.45</td>
<td>5.53</td>
<td>5.80</td>
</tr>
</tbody>
</table>

CLEAN PRESSURE DROP (PSID)*
Per standard 40” filter

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>500</th>
<th>501</th>
<th>503</th>
<th>505</th>
<th>507</th>
<th>508</th>
<th>509</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSID @ 15 GPM</td>
<td>1.03</td>
<td>0.47</td>
<td>0.34</td>
<td>0.34</td>
<td>0.33</td>
<td>0.30</td>
<td>0.29</td>
</tr>
<tr>
<td>PSID @ 25 GPM</td>
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<td>0.74</td>
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<td>0.60</td>
<td>0.58</td>
<td>0.56</td>
<td>0.51</td>
</tr>
<tr>
<td>PSID @ 35 GPM</td>
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<td>0.95</td>
<td>0.88</td>
<td>0.88</td>
<td>0.88</td>
<td>0.87</td>
<td>0.83</td>
</tr>
<tr>
<td>PSID @ 45 GPM</td>
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<td>1.33</td>
<td>1.12</td>
<td>1.07</td>
<td>1.03</td>
<td>0.97</td>
<td>0.91</td>
</tr>
</tbody>
</table>

AB 505 N P 40 4 E

ABSOLUTE RATED FILTER SERIES

MICRON RATING 99.98%

<table>
<thead>
<tr>
<th>NON-MEDIA COMPONENTS</th>
<th>MEDIA</th>
<th>LENGTH</th>
<th>END CAP</th>
<th>O-RING</th>
</tr>
</thead>
<tbody>
<tr>
<td>N - Nylon</td>
<td>C - Cellulose</td>
<td>40 - 40”</td>
<td>4 - External O-Ring</td>
<td>E - EPDM</td>
</tr>
<tr>
<td>P - Polyester</td>
<td>G - Glass</td>
<td></td>
<td></td>
<td>B - Buna</td>
</tr>
<tr>
<td>M – Tinned Steel</td>
<td>P - Polypropylene</td>
<td></td>
<td>V - Viton®</td>
<td></td>
</tr>
<tr>
<td>R - Polyester</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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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

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

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.

CARTRIDGE CODING

<table>
<thead>
<tr>
<th>P</th>
<th>74K</th>
<th>P</th>
<th>40</th>
<th>6</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>Micron Rating</td>
<td>Non-Media Components</td>
<td>Media</td>
<td>Length</td>
<td>End Cap</td>
</tr>
<tr>
<td>99.98%</td>
<td>*P - Polypropylene</td>
<td>C - Cellulose</td>
<td>40 - 40”</td>
<td>6 - 226</td>
<td>B - Buna</td>
</tr>
<tr>
<td>74D - 0.5 Micron</td>
<td>M - Carbon Steel</td>
<td>G - Glass</td>
<td>30 - 30”</td>
<td>3 - R-P Style</td>
<td>E - EPDM</td>
</tr>
<tr>
<td>74E - 2 Micron</td>
<td>S - 304 Stainless</td>
<td>N - Nylon</td>
<td></td>
<td></td>
<td>V - Viton®</td>
</tr>
<tr>
<td>74F - 5 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>74G - 10 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>74H - 20 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>74J - 30 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>74K - 40 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>74L - 70 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>74M - 100 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>74N - 135 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

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COST EFFECTIVE FILTRATION

FTC is pleased to introduce its Premium Deep Pleat 700 style cartridge.

The original FTC Deep Pleat design has been re-engineered to provide a greater range of micron ratings and more dirt holding capacity.

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

BENEFITS

• Provides much greater dirt holding than standard industry deep pleat elements
• Economical 740 style filter element
• Polypropylene and Cellulose medias will cover most filtration applications
• 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

DIMENSIONS

Outside Diameter: 6.25”
Inside Diameter: 1.55”
Length: 40”

MATERIALS OF CONSTRUCTION

Filter Media: Cellulose and Polypropylene
Center Core: Polypropylene, Tinned Steel, Stainless Steel
Netting: Polypropylene, Nylon
End Caps: Polypropylene, Tinned Steel, Stainless Steel

COMMON APPLICATIONS

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

Micron Ratings @ 99.98% (beta 5000):
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 on the polypropylene elements.*

**MEDIA MICRON RATING AT EFFICIENCY**

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>74F</th>
<th>74G</th>
<th>74H</th>
<th>74J</th>
<th>74K</th>
<th>74L</th>
<th>74M</th>
<th>74N</th>
</tr>
</thead>
<tbody>
<tr>
<td>99.00% (beta 100)</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>15</td>
<td>25</td>
<td>40</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td>99.98% (beta 5000)</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>30</td>
<td>40</td>
<td>70</td>
<td>100</td>
<td>135</td>
</tr>
</tbody>
</table>

**DIRT HOLDING CAPACITY (LBS)**

Per Standard 40” Filter

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>74F</th>
<th>74G</th>
<th>74H</th>
<th>74J</th>
<th>74K</th>
<th>74L</th>
<th>74M</th>
<th>74N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pounds of Solids</td>
<td>15.3</td>
<td>15.5</td>
<td>17.3</td>
<td>17.8</td>
<td>18.4</td>
<td>19.2</td>
<td>19.4</td>
<td>19.6</td>
</tr>
</tbody>
</table>

**CLEAN PRESSURE DROP (PSID)**

Per Standard 40” Filter

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>74F</th>
<th>74G</th>
<th>74H</th>
<th>74J</th>
<th>74K</th>
<th>74L</th>
<th>74M</th>
<th>74N</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSID @ 20 GPM</td>
<td>0.29</td>
<td>0.26</td>
<td>0.24</td>
<td>0.24</td>
<td>0.24</td>
<td>0.24</td>
<td>0.22</td>
<td>0.22</td>
</tr>
<tr>
<td>PSID @ 40 GPM</td>
<td>0.94</td>
<td>0.90</td>
<td>0.86</td>
<td>0.84</td>
<td>0.83</td>
<td>0.83</td>
<td>0.81</td>
<td>0.81</td>
</tr>
<tr>
<td>PSID @ 60 GPM</td>
<td>1.81</td>
<td>1.77</td>
<td>1.77</td>
<td>1.77</td>
<td>1.77</td>
<td>1.77</td>
<td>1.76</td>
<td>1.73</td>
</tr>
<tr>
<td>PSID @ 80 GPM</td>
<td>2.75</td>
<td>2.61</td>
<td>2.57</td>
<td>2.55</td>
<td>2.50</td>
<td>2.50</td>
<td>2.46</td>
<td>2.43</td>
</tr>
</tbody>
</table>

**CARTRIDGE CODING**

<table>
<thead>
<tr>
<th>PDP</th>
<th>74K</th>
<th>P</th>
<th>P</th>
<th>40</th>
<th>6</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>PREMIUM DEEP PLEAT SERIES</td>
<td>MICRON RATING 99.98%</td>
<td>NON-MEDIA COMPONENTS</td>
<td>MEDIA</td>
<td>LENGTH</td>
<td>END CAP</td>
<td>O-RING SEAL</td>
</tr>
<tr>
<td>74F - 5 Micron</td>
<td>*P - Polypropylene</td>
<td>C - Cellulose</td>
<td>40 - 40”</td>
<td>6 - 226 O-ring</td>
<td>E - EPDM</td>
<td></td>
</tr>
<tr>
<td>74G - 10 Micron</td>
<td>M - Carbon Steel</td>
<td>P - Polypropylene</td>
<td>30 - 30”</td>
<td>3 - RP Style</td>
<td>B - Buna</td>
<td></td>
</tr>
<tr>
<td>74H - 20 Micron</td>
<td>S - 304 Stainless</td>
<td></td>
<td></td>
<td></td>
<td>V - Viton®</td>
<td></td>
</tr>
<tr>
<td>74J - 30 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>74K - 40 Micron</td>
<td></td>
<td></td>
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<tr>
<td>74L - 70 Micron</td>
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<td></td>
</tr>
<tr>
<td>74M - 100 Micron</td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>74N - 135 Micron</td>
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Filtration Technology Corporation
5175 Ashley Court
Houston, Texas 77041
(713) 849-0849 • 888-436-0849 • FAX (713) 849-0202
www.ftc-houston.com
**COST EFFECTIVE FILTRATION**

The unique design, U.S. Patent No. 5824232, in FTC’s 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 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 FTC 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 cartridges 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**

- Fuels, Pre-RO, Completion Fluids, Brines, Waterflood, Produced Water, Disposal Water

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Outside Diameter</td>
<td>12.75”</td>
</tr>
<tr>
<td>Inside Diameter</td>
<td>3.00”</td>
</tr>
<tr>
<td>Length</td>
<td>40”</td>
</tr>
</tbody>
</table>

**MATERIALS OF CONSTRUCTION**

- **Filter Media:** Cellulose, Polypropylene, Glass, 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

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

**Recommended Flow Rate for Optimal Dirt Loading:**
- 150 GPM Per standard 40” filter

**Maximum Recommended Flow Rate:**
- 300 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

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>940</th>
<th>941</th>
<th>943</th>
<th>945</th>
<th>947</th>
<th>948</th>
<th>949</th>
</tr>
</thead>
<tbody>
<tr>
<td>99.00% (beta 100)</td>
<td>0.3</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>25</td>
<td>40</td>
</tr>
<tr>
<td>99.98% (beta 5000)</td>
<td>0.5</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>40</td>
<td>70</td>
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</table>

### DIRT HOLDING CAPACITY (LBS)*

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>940</th>
<th>941</th>
<th>943</th>
<th>945</th>
<th>947</th>
<th>948</th>
<th>949</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pounds of Solids</td>
<td>55</td>
<td>76</td>
<td>80</td>
<td>83</td>
<td>85</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

### CLEAN PRESSURE DROP (PSID)*

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>940</th>
<th>941</th>
<th>943</th>
<th>945</th>
<th>947</th>
<th>948</th>
<th>949</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSID @ 150 GPM</td>
<td>1.58</td>
<td>1.05</td>
<td>0.61</td>
<td>0.54</td>
<td>0.50</td>
<td>0.46</td>
<td>0.40</td>
</tr>
<tr>
<td>PSID @ 300 GPM</td>
<td>6.20</td>
<td>4.15</td>
<td>2.54</td>
<td>2.25</td>
<td>2.03</td>
<td>1.85</td>
<td>1.76</td>
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</table>

### CARTRIDGE CODING

<table>
<thead>
<tr>
<th>PS</th>
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<th>P</th>
<th>40</th>
<th>5</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLATINUM 940 SERIES</td>
<td>MICRON RATING 99.98%</td>
<td>NON-MEDIA COMPONENTS</td>
<td>MEDIA</td>
<td>LENGTH</td>
<td>END CAP</td>
</tr>
<tr>
<td>940</td>
<td>0.5 Micron</td>
<td>None - Carbon Steel</td>
<td>C - Cellulose</td>
<td>40 - 40”</td>
<td>5 – Dual o-ring</td>
</tr>
<tr>
<td>941</td>
<td>2 Micron</td>
<td>S - 304 Stainless</td>
<td>G - Glass</td>
<td>N - Nylon</td>
<td>V - Viton®</td>
</tr>
<tr>
<td>943</td>
<td>5 Micron</td>
<td>P - Polypropylene</td>
<td>R - Polyester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>945</td>
<td>10 Micron</td>
<td></td>
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<tr>
<td>947</td>
<td>20 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>948</td>
<td>40 Micron</td>
<td></td>
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</tr>
<tr>
<td>949</td>
<td>70 Micron</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

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COST EFFECTIVE FILTRATION

The unique design, U.S. Patent No. 5824232, in FTC’s 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 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 FTC PLATINUM 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
• 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

• Fuels, Pre-RO, Completion Fluids, Brines, Waterflood, Produced Water, Disposal Water

DIMENSIONS

Outside Diameter: 20.0”
Inside Diameter: 3.00” or 6.00”
Length: 40”

MATERIALS OF CONSTRUCTION

Filter Media: Cellulose, Polypropylene, Glass, 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

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

Recommended Flow Rate for Optimal Dirt Loading:
150 GPM Per standard 40” filter

Maximum Recommended Flow Rate:
300 GPM Per standard 40” filter

Maximum Recommended Differential Pressure:
35 PSID

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**MEDIA MICRON RATING AT EFFICIENCY**

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>2040</th>
<th>2041</th>
<th>2043</th>
<th>2045</th>
<th>2047</th>
<th>2048</th>
<th>2049</th>
</tr>
</thead>
<tbody>
<tr>
<td>99.00% (beta 100)</td>
<td>0.3</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>25</td>
<td>40</td>
</tr>
<tr>
<td>99.98% (beta 5000)</td>
<td>0.5</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>40</td>
<td>70</td>
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</tbody>
</table>

**DIRT HOLDING CAPACITY (LBS)**
Based on Standard 40” filter element

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>2040</th>
<th>2041</th>
<th>2043</th>
<th>2045</th>
<th>2047</th>
<th>2048</th>
<th>2049</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pounds of Solids</td>
<td>165</td>
<td>230</td>
<td>230</td>
<td>250</td>
<td>265</td>
<td>300</td>
<td>300</td>
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</tbody>
</table>

**CLEAN PRESSURE DROP (PSID)**
Based on Standard 40” filter element w/ 6” ID

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>2040</th>
<th>2041</th>
<th>2043</th>
<th>2045</th>
<th>2047</th>
<th>2048</th>
<th>2049</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSID @ 450 GPM</td>
<td>1.50</td>
<td>1.00</td>
<td>0.58</td>
<td>0.51</td>
<td>0.47</td>
<td>0.44</td>
<td>0.38</td>
</tr>
<tr>
<td>PSID @ 900 GPM</td>
<td>5.90</td>
<td>3.94</td>
<td>2.41</td>
<td>2.13</td>
<td>1.93</td>
<td>1.76</td>
<td>1.67</td>
</tr>
</tbody>
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**CARTRIDGE CODING**

<table>
<thead>
<tr>
<th>PLATINUM 2040 SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MICRON RATING 99.98%</th>
</tr>
</thead>
<tbody>
<tr>
<td>2040 - 0.5 Micron</td>
</tr>
<tr>
<td>2041 - 2 Micron</td>
</tr>
<tr>
<td>2043 - 5 Micron</td>
</tr>
<tr>
<td>2045 - 10 Micron</td>
</tr>
<tr>
<td>2047 - 20 Micron</td>
</tr>
<tr>
<td>2048 - 40 Micron</td>
</tr>
<tr>
<td>2049 - 70 Micron</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NON-MEDIA COMPONENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDIA LENGTH END CAP O-RING SEAL</td>
</tr>
<tr>
<td>None - Carbon Steel C - Cellulose 40 - 40” 5 – Dual o-ring (3” ID) B - Buna</td>
</tr>
<tr>
<td>S - 304 Stainless G - Glass</td>
</tr>
<tr>
<td>N - Nylon</td>
</tr>
<tr>
<td>R - Polyester</td>
</tr>
</tbody>
</table>

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COST EFFECTIVE FILTRATION

FTC introduces its DPU-600 High Flow Series. It was originally designed for low solids applications requiring high flow rates, but it is a great option for almost any application.

The unique design of this pleated element provides a large effective filter surface area within the space constraints of a standard 6” cartridge diameter while flow is maximized through the use of a large ID.

The DPU-600 High Flow Series element is designed to fit inside existing housings and provide an positive o-ring seal without housing modification

BENEFITS

• Significantly greater dirt holding capacity than standard bag filters.
• Design allows for easy installation and extraction resulting in an operator friendly element.
• As a result of the inside to outside flow path, all filtered contaminant is contained inside the element for clean disposal.
• 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.
• Superior methods of construction combined with excellent quality control, ensure FTC High Flow cartridges will provide quality filtration in difficult operating conditions.

COMMON APPLICATIONS

• Fuels, NGLs, LPG, Pipeline Pigging, Pre-RO, Completion Fluids, Brines, Produced Water, Disposal Water

DIMENSIONS

Outside Diameter: 6.00”
Inside Diameter: 3.00”
Length: 20”, 40” and 60”

MATERIALS OF CONSTRUCTION

Filter Media: Cellulose, Polypropylene, Glass, Nylon and Polyester
Center Core: Polypropylene and Polyester
Netting: Polypropylene, Nylon and Tinned Steel, Stainless Steel or Aluminum Can Body
End Caps: Polypropylene, Acetal, Nylon, Tinned Steel and Stainless Steel
PRODUCT SPECIFICATIONS

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

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

Recommended Flow Rate for
Optimal Dirt Loading:
75 GPM per standard 60” filter

Maximum Recommended
Flow Rate:
500 GPM per standard 60” 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
deoionized water as the challenge slurry. The
reported data is based on polypropylene elements.

MEDIA MICRON RATING AT EFFICIENCY

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>600</th>
<th>601</th>
<th>603</th>
<th>605</th>
<th>607</th>
<th>608</th>
<th>609</th>
<th>610</th>
<th>611</th>
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</thead>
<tbody>
<tr>
<td>Micron Rating</td>
<td>0.3</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>25</td>
<td>40</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td>99.98% (beta 5000)</td>
<td>0.5</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>40</td>
<td>70</td>
<td>100</td>
<td>135</td>
</tr>
</tbody>
</table>

DIRT HOLDING CAPACITY (LBS)*
Per 60” length

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>600</th>
<th>601</th>
<th>603</th>
<th>605</th>
<th>607</th>
<th>608</th>
<th>609</th>
<th>610</th>
<th>611</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pounds of Solids</td>
<td>12.2</td>
<td>15.5</td>
<td>18.2</td>
<td>18.7</td>
<td>20.4</td>
<td>22.5</td>
<td>24.0</td>
<td>26.1</td>
<td>27.5</td>
</tr>
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</table>

CLEAN PRESSURE DROP (PSID)*
Per 60” length

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>600</th>
<th>601</th>
<th>603</th>
<th>605</th>
<th>607</th>
<th>608</th>
<th>609</th>
<th>610</th>
<th>611</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSID @ 100 GPM</td>
<td>1.06</td>
<td>0.65</td>
<td>0.54</td>
<td>0.46</td>
<td>0.38</td>
<td>0.33</td>
<td>0.23</td>
<td>0.20</td>
<td>0.17</td>
</tr>
<tr>
<td>PSID @ 200 GPM</td>
<td>1.27</td>
<td>0.88</td>
<td>0.67</td>
<td>0.50</td>
<td>0.44</td>
<td>0.41</td>
<td>0.34</td>
<td>0.28</td>
<td>0.25</td>
</tr>
<tr>
<td>PSID @ 400 GPM</td>
<td>3.22</td>
<td>2.31</td>
<td>1.99</td>
<td>1.77</td>
<td>1.59</td>
<td>1.48</td>
<td>1.30</td>
<td>1.21</td>
<td>1.13</td>
</tr>
<tr>
<td>PSID @ 500 GPM</td>
<td>4.04</td>
<td>3.30</td>
<td>2.85</td>
<td>2.61</td>
<td>2.18</td>
<td>2.03</td>
<td>1.87</td>
<td>1.76</td>
<td>1.65</td>
</tr>
</tbody>
</table>

CARTRIDGE CODING

DPU 600 P P 40 P E

MICRON RATING 99.98%

| 600 - 0.5 Micron | 601 - 2 Micron | 603 - 5 Micron | 605 - 10 Micron | 607 - 20 Micron | 608 - 40 Micron | 609 - 70 Micron | 610 - 100 Micron | 611 - 135 Micron |

<table>
<thead>
<tr>
<th>NON-MEDIA COMPONENTS</th>
<th>MEDIA</th>
<th>LENGTH</th>
<th>END CAP</th>
<th>SEAL MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>*P - Polypropylene</td>
<td>C - Cellulose</td>
<td>20 - 20”</td>
<td>P - High Flow</td>
<td>B - Buna</td>
</tr>
<tr>
<td>M - Carbon Steel</td>
<td>G - Glass</td>
<td>40 - 40”</td>
<td></td>
<td>E - EPDM</td>
</tr>
<tr>
<td>S - 304 Stainless</td>
<td>N - Nylon</td>
<td>60 - 60”</td>
<td></td>
<td>V - Viton®</td>
</tr>
<tr>
<td>N - Nylon</td>
<td>P - Polypropylene</td>
<td></td>
<td></td>
<td>S - Silicone</td>
</tr>
<tr>
<td>L - Acetal</td>
<td>R - Polyester</td>
<td></td>
<td></td>
<td>T - TEV</td>
</tr>
</tbody>
</table>

SERIES CODE DESCRIPTIONS

- P – 100% FDA Polypropylene Components except O-Ring seal, Thermally Bonded End Caps (Standard)
- N – Nylon End Caps. Carbon Steel Can Body, High Temperature Epoxy
- L – Acetal End Caps, Nylon Outer Netting, Thermally Bonded End Caps
- M – Carbon Steel End Caps, Carbon Steel Can Body, High Temperature Epoxy
- S – 304 SS End Caps, Stainless Steel Can Body, High Temperature Epoxy

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COST EFFECTIVE FILTRATION

FTC introduces its next generation of Pleated Bag filters, the 650 Maximum Capacity style bag.

The original FTC Platinum 650 style bag has been re-engineered to provide a greater range of micron ratings and more dirt holding capacity.

These next generation pleated bags are constructed with polypropylene components and are available in a wide variety of filter media.

BENEFITS

• Highest dirt holding capacity of all bag filter series
• Highly researched pleat design maximizes dirt holding capacity and surface area
• Wide-range of media options allows for compatibility with many fluids
• Broad range of micron ratings and efficiencies
• Simple installation into existing equipment without equipment modification
• Absolute rated media with fixed pore structure prevents particle unloading and provides reliable results in critical applications

COMMON APPLICATIONS

• Amines, Glycols, Acids, Bases, Pre-RO, Completion Fluids, Brines, Waterflood, CBM Produced Water, Disposal Water

DIMENSIONS

Outside Diameter: 7.00”
Inside Diameter: 2.00”
Length: 20” and 26”

MATERIALS OF CONSTRUCTION

Filter Media: Polypropylene, Glass, Nylon and Polyester
Center Core: Polypropylene
Netting: Polypropylene, Polyester, Nylon
End Caps: Polypropylene
### PRODUCT SPECIFICATIONS

**Micron Ratings @ 99.98% (beta 5000):**
- 0.3, 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:**
- 25 GPM Per 20” of filter length
- 35 GPM Per 26” of filter length

**Maximum Recommended Flow Rate:**
- 100 GPM Per standard 20” filter
- 125 GPM Per standard 26” filter

**Maximum Recommended Differential Pressure:**
- 20 PSID

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### MEDIA MICRON RATING AT EFFICIENCY

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>65D</th>
<th>65E</th>
<th>65F</th>
<th>65G</th>
<th>65H</th>
<th>65J</th>
<th>65K</th>
<th>65L</th>
<th>65M</th>
<th>65N</th>
</tr>
</thead>
<tbody>
<tr>
<td>99.00% (beta 100)</td>
<td>0.3</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>15</td>
<td>25</td>
<td>40</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td>99.98% (beta 5000)</td>
<td>0.5</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>30</td>
<td>40</td>
<td>70</td>
<td>100</td>
<td>135</td>
</tr>
</tbody>
</table>

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### DIRT HOLDING CAPACITY (LBS)*

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>65D</th>
<th>65E</th>
<th>65F</th>
<th>65G</th>
<th>65H</th>
<th>65J</th>
<th>65K</th>
<th>65L</th>
<th>65M</th>
<th>65N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pounds of Solids (20”)</td>
<td>7.1</td>
<td>8.1</td>
<td>8.7</td>
<td>8.8</td>
<td>9.0</td>
<td>9.0</td>
<td>9.2</td>
<td>8.6</td>
<td>9.6</td>
<td>9.6</td>
</tr>
<tr>
<td>Pounds of Solids (26”)</td>
<td>9.2</td>
<td>10.5</td>
<td>11.3</td>
<td>11.4</td>
<td>11.7</td>
<td>11.7</td>
<td>12.0</td>
<td>12.0</td>
<td>12.5</td>
<td>12.5</td>
</tr>
</tbody>
</table>

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### CLEAN PRESSURE DROP (PSID)*

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>65D</th>
<th>65E</th>
<th>65F</th>
<th>65G</th>
<th>65H</th>
<th>65J</th>
<th>65K</th>
<th>65L</th>
<th>65M</th>
<th>65N</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSID @ 15 GPM</td>
<td>0.34</td>
<td>0.26</td>
<td>0.22</td>
<td>0.20</td>
<td>0.18</td>
<td>0.16</td>
<td>0.15</td>
<td>0.14</td>
<td>0.13</td>
<td>0.10</td>
</tr>
<tr>
<td>PSID @ 25 GPM</td>
<td>0.58</td>
<td>0.47</td>
<td>0.41</td>
<td>0.40</td>
<td>0.37</td>
<td>0.36</td>
<td>0.35</td>
<td>0.32</td>
<td>0.30</td>
<td>0.25</td>
</tr>
<tr>
<td>PSID @ 50 GPM</td>
<td>1.18</td>
<td>0.99</td>
<td>0.87</td>
<td>0.85</td>
<td>0.83</td>
<td>0.81</td>
<td>0.79</td>
<td>0.77</td>
<td>0.73</td>
<td>0.64</td>
</tr>
</tbody>
</table>

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### CARTRIDGE CODING

<table>
<thead>
<tr>
<th>MC</th>
<th>65E</th>
<th>P</th>
<th>P</th>
<th>20</th>
<th>1</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX CAPACITY SERIES</td>
<td>MICRON RATING 99.98%</td>
<td>NON-MEDIA COMPONENTS</td>
<td>MEDIA</td>
<td>LENGTH</td>
<td>HOUSING SEAL</td>
<td>O-RING SEAL</td>
</tr>
<tr>
<td>65D</td>
<td>0.5 Micron</td>
<td>*P - Polypropylene</td>
<td>P - Polypropylene</td>
<td>20 - 20”</td>
<td>1 - Rosedale</td>
<td>B - Buna</td>
</tr>
<tr>
<td>65E</td>
<td>2 Micron</td>
<td>G - Glass</td>
<td>26 - 26”</td>
<td>2 - FSI</td>
<td>E - EPDM</td>
<td></td>
</tr>
<tr>
<td>65F</td>
<td>5 Micron</td>
<td>N - Nylon</td>
<td>5 - Over-the-Top Style</td>
<td>V - Viton®</td>
<td></td>
<td></td>
</tr>
<tr>
<td>65G</td>
<td>10 Micron</td>
<td>R - Polyester</td>
<td>G - Plenty</td>
<td>U - Santoprene™</td>
<td></td>
<td></td>
</tr>
<tr>
<td>65H</td>
<td>20 Micron</td>
<td></td>
<td></td>
<td>**Contact FTC for additional options</td>
<td></td>
<td></td>
</tr>
<tr>
<td>65J</td>
<td>30 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65K</td>
<td>40 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65L</td>
<td>70 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65M</td>
<td>100 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65N</td>
<td>135 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

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

**Contact FTC for additional options**

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COST EFFECTIVE FILTRATION

FTC introduces its new 550 Series, High Capacity, pleated filter bag.

The unique design of this pleated bag provides a large effective filter surface area within the space constraints of a standard basket. Dirt holding capacity is maximized by pleating several different filter media together in a single pleat pack. One 550 Series, High Capacity bag holds much more dirt than the typical 500 Series bag.

The FTC High Capacity bag is designed to fit inside existing baskets without housing modification.

BENEFITS

• Provides significantly greater dirt holding than non-pleated felt and high efficiency bag filters.
• O-ring seal to ensure positive capture of contaminants.
• Simple installation into existing equipment without equipment modification.
• 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 High Capacity cartridges will provide quality filtration in difficult operating conditions.

COMMON APPLICATIONS

• Amines, Glycols, Acids, Bases, Water

DIMENSIONS

Outside Diameter: 6.25”
Inside Diameter: 3.00”
Length: 20”

MATERIALS OF CONSTRUCTION

Filter Media: Polypropylene
Center Core: Polypropylene
Netting: Polypropylene
End Caps: Polypropylene
Seal Material: EPDM
CARTRIDGE CODING

HC 552 P 20 U

HIGH CAPACITY SERIES
MICRON RATING (99.00%)
552 - 2 Micron
555 - 5 Micron
557 - 15 Micron
558 - 50 Micron
559 - 100 Micron

MEDIA
*P - Polypropylene

LENGTH
20 - 20"

CAP STYLE
U - Universal

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

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COST EFFECTIVE FILTRATION

FTC introduces its Series 100 Nominal Pleated Bags. The introduction of the Series 100 will offer value and economy for your nominal filtration requirements while providing the reliability and high performance of a rigid filter barrel to maintain bag filter integrity.

The Series 100 pleated bag will drain more easily when changing out than a standard size 2 bag. As a result, loss of valuable process fluid will be minimized. Maintaining a rigid structure will eliminate bag bottoms from falling out.

Constructed with polypropylene or polyester needled felt media, the FTC Series 100 will offer significantly more surface area and dirt holding capacity than a standard size 2 nominal bag, as well as a wide range of micron ratings.

BENEFITS

• As much as 28 times the dirt holding capacity of a standard size 2 felt bag
• Proprietary pleat design maximizes dirt holding capacity and surface area
• Rigid bag structure to maintain integrity of filter
• Wide-range of micron ratings to meet all your nominal filtration requirements
• Simple installation into existing equipment without equipment modification
• Savings on acquisition and disposal costs and labor change outs
• Reduced system downtime

COMMON APPLICATIONS

• Process fluids, Pre-RO, Water and Wastewater reuse, Ground Water Remediation, Machine Coolants, Disposal Water

DIMENSIONS

Outside Diameter: 7.00”
Inside Diameter: 2.00”
Length: 24”

MATERIALS OF CONSTRUCTION

Filter Media: Polypropylene and Polyester Needled Felt
Center Core: Polypropylene
Netting: Polypropylene
End Caps: Polypropylene
**PRODUCT SPECIFICATIONS**

**Nominal Micron Ratings:**
1, 5, 10, 25, 50, 100 and 200 Micron

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

**Recommended Flow Rate for Optimal Dirt Loading:**
25 GPM

**Maximum Recommended Flow Rate:**
200 GPM

**Maximum Recommended Differential Pressure:**
25 PSID

---

**MEDIA MICRON RATING AT EFFICIENCY**

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>001</th>
<th>005</th>
<th>010</th>
<th>025</th>
<th>050</th>
<th>100</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal</td>
<td>1</td>
<td>5</td>
<td>10</td>
<td>25</td>
<td>50</td>
<td>100</td>
<td>200</td>
</tr>
</tbody>
</table>

---

**DIRT HOLDING CAPACITY (LBS)**

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>001</th>
<th>005</th>
<th>010</th>
<th>025</th>
<th>050</th>
<th>100</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polypropylene</td>
<td>6.98</td>
<td>5.87</td>
<td>5.79</td>
<td>5.86</td>
<td>5.83</td>
<td>6.02</td>
<td>6.24</td>
</tr>
</tbody>
</table>

---

**CLEAN PRESSURE DROP (PSID)**

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>001</th>
<th>005</th>
<th>010</th>
<th>025</th>
<th>050</th>
<th>100</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSID @ 25 GPM</td>
<td>0.105</td>
<td>0.144</td>
<td>0.028</td>
<td>0.055</td>
<td>0.046</td>
<td>0.043</td>
<td>0.038</td>
</tr>
<tr>
<td>PSID @ 50 GPM</td>
<td>0.589</td>
<td>0.350</td>
<td>0.236</td>
<td>0.275</td>
<td>0.322</td>
<td>0.346</td>
<td>0.317</td>
</tr>
<tr>
<td>PSID @ 100 GPM</td>
<td>1.139</td>
<td>1.178</td>
<td>1.172</td>
<td>1.031</td>
<td>1.135</td>
<td>1.153</td>
<td>1.206</td>
</tr>
<tr>
<td>PSID @ 150 GPM</td>
<td>2.239</td>
<td>2.480</td>
<td>2.640</td>
<td>2.157</td>
<td>2.526</td>
<td>2.513</td>
<td>3.013</td>
</tr>
<tr>
<td>PSID @ 200 GPM</td>
<td>4.214</td>
<td>4.315</td>
<td>4.297</td>
<td>3.888</td>
<td>4.361</td>
<td>4.734</td>
<td>5.101</td>
</tr>
</tbody>
</table>

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**CARTRIDGE CODING**

**NB**
- **005**
  - **P**
    - **P**
      - **24**
        - **U**
          - **E**

**MICRON RATING NOMINAL**
- 001 - 1 Micron
- 005 - 5 Micron
- 010 - 10 Micron
- 025 - 25 Micron
- 050 - 50 Micron
- 100 - 100 Micron
- 200 - 200 Micron

- **NON-MEDIA COMPONENTS**
  - P - Polypropylene
  - R - Polyester

- **MEDIA**
  - P - Polypropylene
  - U - Universal

- **LENGTH**
  - 24 - 24”

- **HOUSING SEAL**
  - E - EPDM

- **O-RING SEAL**
  - B - Buna

---

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COST EFFECTIVE FILTRATION

FTC introduces its DPW-600 Bag filter element that is designed for high temperature applications or applications with hydrocarbons in the stream.

Combining this design with the technique of pleating several different filter media together in a single pleat pack maximizes dirt holding capacity.

The 600 DPW Series bag is designed to seal inside Rosedale bag housings without equipment modification. It is available with different filter media options to meet industry standards and chemical compatibility.

BENEFITS

- Provides significantly greater dirt holding that standard non-pleated bag filters
- High Temperature bag filter applications
- Excellent for bag filter applications with hydrocarbons in the stream
- Simple installation and extraction makes this an operator friendly element
- Unlike standard bag filters, this element drains minimizing residual fluid in the filter housing
- O-ring seal to ensure positive capture of contaminants
- Fixed pore media prevents particle unloading
- Absolute Rated media for reliable results in any critical application

COMMON APPLICATIONS

- High temperature, Glycols, Fuels, Various hydrocarbons, Biofuels, Produced Water, Disposal Water

DIMENSIONS

Outside Diameter: 6.00”  
Inside Diameter: 3.00”  
Length: 26”

MATERIALS OF CONSTRUCTION

Filter Media: Cellulose, Glass and Nylon  
Potting Material: High Temperature Epoxy  
Support: Tinned Steel Can Body  
End Caps: Nylon and Polyester
PRODUCT
SPECIFICATIONS

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

Maximum Operating Conditions:
275°F (85°C) Continuous Operating Temp

Recommended Flow Rate for Optimal Dirt Loading:
25 GPM Per 26” of filter length

Maximum Recommended Flow Rate:
100 GPM Per 26” filter

Maximum Recommended Differential Pressure:
25 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 on the cellulose (5-70 micron) or glass fiber (0.5-2 micron) elements.

MEDIA MICRON RATING AT EFFICIENCY

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>600</th>
<th>601</th>
<th>603</th>
<th>605</th>
<th>607</th>
<th>608</th>
<th>609</th>
</tr>
</thead>
<tbody>
<tr>
<td>99.00% (beta 100)</td>
<td>0.3</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>25</td>
<td>40</td>
</tr>
<tr>
<td>99.98% (beta 5000)</td>
<td>0.5</td>
<td>2</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>40</td>
<td>70</td>
</tr>
</tbody>
</table>

DIRT HOLDING CAPACITY (LBS)*
Per 26” length

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>600</th>
<th>601</th>
<th>603</th>
<th>605</th>
<th>607</th>
<th>608</th>
<th>609</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pounds of Solids</td>
<td>4.3</td>
<td>5.1</td>
<td>6</td>
<td>6</td>
<td>6.8</td>
<td>7.7</td>
<td>8.3</td>
</tr>
</tbody>
</table>

CLEAN PRESSURE DROP (PSID)*
Per 26” length

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>600</th>
<th>601</th>
<th>603</th>
<th>605</th>
<th>607</th>
<th>608</th>
<th>609</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSID @ 25 GPM</td>
<td>0.55</td>
<td>0.45</td>
<td>0.36</td>
<td>0.30</td>
<td>0.26</td>
<td>0.21</td>
<td>0.19</td>
</tr>
<tr>
<td>PSID @ 50 GPM</td>
<td>1.03</td>
<td>0.62</td>
<td>0.51</td>
<td>0.43</td>
<td>0.35</td>
<td>0.30</td>
<td>0.26</td>
</tr>
</tbody>
</table>

CARTRIDGE CODING

DPW SERIES - 600 - N - P - 26 - 1 - B

MICRON RATING 99.98%

<table>
<thead>
<tr>
<th>FILTER MODEL</th>
<th>END CAP MATERIAL</th>
<th>MEDIA</th>
<th>LENGTH</th>
<th>CAP STYLE</th>
<th>SEAL MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>600 - 0.5 Micron</td>
<td>N - Nylon</td>
<td>C - Cellulose</td>
<td>26 - 26”</td>
<td>1 - Rosedale</td>
<td>B - Buna</td>
</tr>
<tr>
<td>601 - 2 Micron</td>
<td>G - Glass</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>603 - 5 Micron</td>
<td>N - Nylon</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>605 - 10 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>607 - 20 Micron</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>608 - 40 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>609 - 70 Micron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SERIES CODE DESCRIPTIONS
N – Nylon End Caps. Coreless Can Body, High Temperature Epoxy End Cap Sealing

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COST EFFECTIVE FILTRATION

FTC introduces its 240 Emerald Series “Mini Oil Guzzler” cartridge for eliminating oil from water.

The media in this unique cartridge combines the effects of adsorption and absorption to enhance its oil removal efficiency. Incorporating this media with flow barriers into standard 2.5 inch OD filter designs allows retrofits into standard housings.

One 240 “Mini Oil Guzzler” is designed to hold one liter of oil before reaching the maximum differential pressure of 35 PSI.

MATERIALS OF CONSTRUCTION

Filter Media: Proprietary Polymer
Center Core: Polypropylene
Netting: Polypropylene
End Caps: Polypropylene

COMMON APPLICATIONS

• Removing trace amounts of oil from water
• Final Polishing of Produced Water

PRODUCT SPECIFICATIONS

Filter Oil Capacity: 1.1 L of oil
Filter Effluent Quality: As low as 5 ppm effluent
Recommended Flow Rate for Optimal Oil Loading: 1.0 GPM Per 40” of filter length
Maximum Recommended Differential Pressure: 35 PSID

CARTRIDGE CODING

<table>
<thead>
<tr>
<th>ES</th>
<th>2</th>
<th>4</th>
<th>9</th>
<th>H</th>
<th>40</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMERALD SERIES</td>
<td></td>
<td></td>
<td></td>
<td>ABSORPTION MEDIA</td>
<td>LENGTH</td>
<td>END CAP</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>H - Proprietary Polymer</td>
<td>30 - 30”</td>
<td>1 - DOE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>40 - 40”</td>
<td>2 – 222 O-Ring</td>
</tr>
</tbody>
</table>
COST EFFECTIVE FILTRATION

FTC introduces its 700 EMERALD Series “OIL GUZZLER” cartridge for eliminating oil from water.

The media in this unique cartridge combines the effects of adsorption and absorption to enhance its oil removal efficiency. Incorporating this media into a 6.25 inch OD filter design that utilizes segregated flow chambers and flow barriers results in maximum oil holding capacity.

One 740 style “OIL GUZZLER” is designed to hold greater than six liters of oil before reaching the maximum differential pressure of 35 PSI.

MATERIALS OF CONSTRUCTION

- Filter Media: Proprietary Polymer
- Center Core: Polypropylene
- Netting: Polypropylene
- End Caps: Polypropylene

COMMON APPLICATIONS

• Removing trace amounts of oil from water
• Final Polishing of Produced Water

PRODUCT SPECIFICATIONS

- Filter Oil Capacity: 6.6 L of oil
- Filter Effluent Quality: As low as 5 ppm effluent
- Recommended Flow Rate for Optimal Oil Loading: 15 GPM Per 40” of filter length
- Maximum Recommended Differential Pressure: 35 PSID

CARTRIDGE CODING

ES - 7 4 9 - H 35 6

EMERALD SERIES

H - Proprietary Polymer

ABSORPTION MEDIA

LENGTH

END CAP

35 - 35”

2 – 226 O-Ring

40 - 40”
COST EFFECTIVE COALESCENCE

FTC made a commitment a few years ago to develop world class coalescence technology and now it introduces a new line of gas coalescer elements. These elements have been specially engineered to provide the most cost effective high efficiency liquid coalescence of gas streams on the market.

The introduction of proprietary interception, coalescence, and drainage layers pleated in conjunction with a high efficiency micro-fiber media ensures high efficiency separation of sub-micron liquid aerosols from gas streams while minimizing fluid carry-over.

BENEFITS

- Provides high efficiency removal of unwanted liquid contaminants
- Available in both 99.98% and 99.0% efficiencies at various micron ratings
- High surface area providing low pressure drop
- Customized configurations to upgrade existing vessels and/or new installations

COMMON APPLICATIONS

- Amine plant feed gas and treated gas
- Suction and discharge of compressors
- Fuel Gas purification
- Protection of molecular sieve beds, alumina beds, activated carbon beds, flare systems, and metering systems
- Turbine feed gas

COMMON LIQUID CONTAMINANTS

- Compressor lubrication oils, water, hydrocarbon condensates, Amines, Glycols, Solvents, Completion Fluids, Brine, and other liquid phase contaminates

LIQUID-GAS SERIES

CG28 Series
Dimensions: 2.75” OD x 1.5” ID x 30” long
Gas Micron Ratings: 0.1 & 0.3 micron @ both 99.0% and 99.98%

CG40 Series
Dimensions: 4.5” OD x 3.25” ID x 36” long
Gas Micron Ratings: 0.1 & 0.3 micron @ both 99.0% and 99.98%

CG60 Series
Dimensions: 6.0” OD x 3.25” ID x 40” long
Gas Micron Ratings: 0.1 & 0.3 micron @ both 99.0% and 99.98%

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Coalescer elements testing is performed internally and externally and is based on a modification of the ISO 12500 standards.
COST EFFECTIVE COALESCENCE

These elements have been specially engineered to provide the most cost effective high efficiency liquid coalescence of gas streams on the market.

The introduction of proprietary interception, coalescence, and drainage layers pleated in conjunction with a high efficiency micro-fiber media ensures high efficiency separation of sub-micron liquid aerosols from gas streams while minimizing fluid carry-over.

FEATURES AND BENEFITS

• Provides high efficiency removal of unwanted liquid contaminants
• Available in both 99.98% and 99.0% efficiency ratings
• High surface area providing low pressure drop
• Designed to upgrade existing vessels or to be specified in new installations
• Standard version and amine compatible version available
• Buna and Viton® gaskets used as standard sealing elastomers (other materials available)

COMMON APPLICATIONS

• Amine plant feed gas and treated gas
• Suction and discharge of compressors
• Fuel Gas purification
• Protection of molecular sieve beds, alumina beds, activated carbon beds, flare systems, and metering systems
• Turbine feed gas

COMMON LIQUID CONTAMINANTS

• Compressor lubrication oils, water, hydrocarbon condensates, Amines, Glycols, Solvents, Completion Fluids, Brine, and other liquid phase contaminates

ELEMENT DIMENSIONS

Outside Diameter: 2.75”
Inside Diameter: 1.5”
Length: 30”

ELEMENT CODING

CG28-001-TG301B

<table>
<thead>
<tr>
<th>Micron Rating</th>
<th>99.98% Efficiency</th>
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<td>0.1 Micron</td>
<td>001</td>
<td>001A</td>
</tr>
<tr>
<td>0.3 Micron</td>
<td>003</td>
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Notice: The information presented here is based on tests and data which FTC believes to be reliable, but their accuracy or completeness is not guaranteed. FTC MAKES NO WARRANTIES, EXPRESS OR IMPLIED, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The determination of whether the FTC product is fit for a particular purpose or application is the responsibility of the user. Coalescer element testing is performed internally and externally and is based on a modification of the ISO 12500 standards.
COST EFFECTIVE COALESCENCE

These elements have been specially engineered to provide the most cost effective high efficiency liquid coalescence of gas streams on the market.

The introduction of proprietary interception, coalescence, and drainage layers pleated in conjunction with a high efficiency micro-fiber media ensures high efficiency separation of sub-micron liquid aerosols from gas streams while minimizing fluid carry-over.

FEATURES AND BENEFITS

• Direct upgrade for most common liquid gas coalescing element on the market
• Provides high efficiency removal of unwanted liquid contaminants
• Available in both 99.98% and 99.0% efficiency ratings
• High surface area providing low pressure drop
• Available in double open ended (DOE) or single open ended (SOE) cap styles
• Buna and Viton® gaskets used as standard sealing elastomers (other materials available)

COMMON APPLICATIONS

• Amine plant feed gas and treated gas
• Suction and discharge of compressors
• Fuel Gas purification
• Protection of molecular sieve beds, alumina beds, activated carbon beds, flare systems, and metering systems
• Turbine Feed Gas

COMMON LIQUID CONTAMINANTS

• Compressor lubrication oils, water, hydrocarbon condensates, Amines, Glycols, Solvents, Completion Fluids, Brine, and other liquid phase contaminates

ELEMENT DIMENSIONS

Outside Diameter: 4.50”
Inside Diameter: 3.25”
Length: 36”

COALESCELER ELEMENT CODING

<table>
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<th>Micron Rating</th>
<th>99.98% Efficiency</th>
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<tr>
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<td>003A</td>
</tr>
</tbody>
</table>

*TG361 – Double Open Ended (DOE)
**TG363 – Single Open Ended (SOE) w/ ½” hole

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COST EFFECTIVE COALESCEENCE

These elements have been specially engineered to provide the most cost effective high efficiency liquid coalescence of gas streams on the market.

The introduction of proprietary interception, coalescence, and drainage layers pleated in conjunction with a high efficiency micro-fiber media ensures high efficiency separation of sub-micron liquid aerosols from gas streams while minimizing fluid carry-over.

FEATURES AND BENEFITS
• Provides high efficiency removal of unwanted liquid contaminants (available in both 99.98% and 99.0% efficiency ratings)
• Multi-layer pleat pack design
• High Surface area provides low pressure drop
• Designed to upgrade existing vessels or to be specified new installations.
• Standard version and amine compatible version available
• Stainless Steel Hardware
• Viton® o-ring seal to insure positive seal

COMMON APPLICATIONS
• Amine plant feed gas and treated gas
• Suction and discharge of compressors
• Fuel Gas purification
• Protection of molecular sieve beds, alumina beds, activated carbon beds, flare systems, and metering systems
• Turbine feed gas

COMMON LIQUID CONTAMINANTS
• Compressor lubrication oils, water, hydrocarbon condensates, Amines, Glycols, Solvents, Completion Fluids, Brine, and other liquid phase contaminants

ELEMENT DIMENSIONS
Outside Diameter: 6.00”
Inside Diameter: 4.00”
Length: 40”

COALESCER ELEMENT CODING
CG60-001-SG402V

<table>
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<tr>
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