EcoWound™ Process-Water Filters
string wound filters for produced water, waste water, and remediation

Service companies engaged in treatment of produced water/flowback water, remediation of groundwater, or filtration of other waste waters, frequently need to reduce TSS to meet regulatory standards or to protect downstream equipment in the lowest-cost method possible, and on short notice. String wound filters from Delta Pure Filtration are frequently employed for this purpose. To better meet the needs of these customers, Delta Pure Filtration has created the economical and ecological EcoWound™ Process water filter series which utilizes a filter medium comprised of recycled cotton, polyester, and polypropylene. Delta Pure Filtration keeps materials on hand, and works three shifts in order to provide the shortest possible lead times.

Removal ratings range from 0.5 micron to 200 microns nominal. An optional polyester core-cover adds a 50 micron downstream layer for additional security. A polypropylene core provides strength. Many other filter and core materials are available.

Note: except for this unique filter medium designated as recycled, all our filter media are of virgin materials.

Benefits
Robust construction
Protects producing and disposal formations
Improves performance and extends life of downstream purification components
Offers high sediment-holding-capacity for longer time between filter cartridge changes
Comes in continuous lengths up to 72”
Withstands exposure to broad range of chemicals
Reduces TSS to assist in compliance with downstream (POTW, NPDES, etc.) requirements

Applications
Produced water
Flowback water
Waste water
Ground water remediation
Fracking fluids
Completion fluids
Waterflood
Injection wells, injection fluids
Protection of downstream separations equipment

The EcoWound™ filter’s gray and multicolored filter medium of recycled polypropylene, polyester and cotton offers excellent filtration and superior economics.
**EcoWound™ Filters**
Economical, Ecological String Wound Filters

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**Delta Pure Filtration** provides a variety of sizes, configurations, and end fittings to fit most filter housings. Contact Delta Pure for filter housings too!

## Specifications

### Cartridge ID:
- 1" (2.6 cm) nominal standard
- 1.22" (3.1cm) and 1.5" (3.8 cm) optional

### Cartridge OD:
- 2" (5cm) to 4 ½" (11.4 cm)

### Length
- 3" (7.6 cm) to 72" (183 cm)
- special lengths available

### Efficiency: 90% nominal; 80% below 3 micron

### Max. Change-Out Differential Pressure 30 PSID (2 bar)

### Maximum Differential Pressure 60 PSID (4 bar)

### Maximum temperature: 180 F

### Materials

**Filter Medium:** recycled polypropylene, cotton and polyester

**Core:** polypropylene (other materials available)

**Optional core cover:** polyester (50 micron nominal)

### Box Quantities

- 2³/₈" OD – 2 ½" OD: 10” – 30/box; 20”, 30”, 40”– 15/box
- 50”– 20/box
- 4 ½” OD Box Quantities: 10” – 6/box; 20” 6/box

### Model/Code Ordering Information

<table>
<thead>
<tr>
<th>CARTRIDGE TYPE</th>
<th>MICRON RATING</th>
<th>FILTER MEDIUM</th>
<th>LENGTH INCHES</th>
<th>CORE TYPE</th>
<th>OUTSIDE DIAMETER</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DW - Precision Wound Filter Cartridge</td>
<td>0.5</td>
<td>33 - EcoWound™ filter</td>
<td>9.75</td>
<td>1 - 1&quot; id Polypropylene</td>
<td>A-2&quot;</td>
<td>[blank] – no options, DOE</td>
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<tr>
<td>1</td>
<td>Recycled Polypropylene, Cotton and Polyester</td>
<td>10</td>
<td>2 - 1&quot; id Glass Filled Polypropylene</td>
<td>B-2 1/4&quot;</td>
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<td>3</td>
<td>12.5</td>
<td>3 - 1&quot; id Tinned Steel Polypropylene</td>
<td>C-2 3/8&quot;</td>
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<td>19.5</td>
<td>4 - 1&quot; id 304 SST Polypropylene</td>
<td>D-2 1/2&quot;</td>
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<tr>
<td>10</td>
<td>20</td>
<td>5 - 1&quot; id Polyester</td>
<td>E-2 5/8&quot;</td>
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<td>24.5</td>
<td>6 - 1&quot; id 316 SST Polypropylene</td>
<td>F-2 3/4&quot;</td>
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<td>20</td>
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<td>30</td>
<td>8 - 1.22&quot; id Polypropylene</td>
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<td>30</td>
<td>36</td>
<td>9 - 1.56&quot; id Polypropylene</td>
<td>I-4 1/4&quot;</td>
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<td>40</td>
<td>10 - 1.56&quot; id tin steel Polypropylene</td>
<td>J-4 1/2&quot;</td>
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<tr>
<td>40</td>
<td>50</td>
<td>11 - 1.56&quot; id 304 sst Polypropylene</td>
<td>fits Big Blue® (trademark of Pentair) housings</td>
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<tr>
<td>50</td>
<td>72</td>
<td>12 - 1.75&quot; id Polypropylene</td>
<td>N-Extended Core</td>
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</table>

**Example:** DW-5-33-40-3-D-E
5 Micron, EcoWound™ filter, 40” Length, 1” id Tinned Steel Core, 2 1/2” OD, Extended Core Option

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