Wide variety of styles and materials for most industrial applications

- Standard #1, #2, #3 and #4 size bags to fit most major manufacturers’ housings
- Available in 1 to 1500 microns retention ratings
- High quality felt media provides highest particle retention and largest solids-loading capacity
- Monofilament mesh media offers precise pore sizes and are suitable for reuse applications
- Bag seals available with steel, stainless steel or plastic rings or plastic flanges with integral handles for positive sealing
- Media options include polypropylene, polyester, Nylon, Nomex for high temperatures and Teflon for widest range of chemical compatibility
- Glazed media finish reduces media migration
- Heavy duty fiber handles available for easy removal

**Applications**

- Paint / Inks
- Lubricants
- Beverages
- Process Water
- Water & Wastewater
- Coatings
- Resins
- Parts Washers
- Pre-filtration
- Chemicals

**Specifications & Operating Parameters**

**Pore Sizes**

- 1, 3, 5, 10, 2, 50, 75, 100, 150, 200, 250, 300, 400, 600, 800, 1200, 1500 microns

**Materials of Construction**

- Bags: Polypropylene felt
- Polypropylene melt blown
- Polypropylene Monofilament
- Polyester felt
- Polyester Multifilament
- Nylon Monofilament
- Oil Absorbent (polypropylene)

- Rings: Polypropylene
- Stainless Steel
- Steel

- Flanges: Polypropylene

**Maximum Temperature**

- Polypropylene: 180°F (82°C)
- Polyester: 300°F (149°C)
- Nylon: 250°F (121°C)

**Recommended Change-out Differential Pressure**

- 20 psid (1.4 bar)

**Bag Sizes**

- #1: 7” Diameter x 16.5’ Length
- #2: 7” Diameter x 32’ Length
- #3: 4” Diameter x 8’ Length
- #4: 4” Diameter x 14’ Length

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**Bag Construction**

**Felt Bags:**
Filtration felt is a low cost, disposable media with particle retention from 1 to 200 microns. It provides moderate depth filtration and high solids loading capacity. Felt Bags are available in polyester and Polypropylene. The felts are glazed to minimize media migration.

**High Efficiency Melt Blown Polypropylene Bags:**
High efficiency polypropylene bags are constructed of multi-layer media including melt-blown polypropylene media for high particle retention efficiency for more critical applications. The filter bags are rated for 90%, 95% and 98% retention efficiencies.

**Monoilament Mesh Bags:**
Monoilament mesh is an extremely strong material with precise weaving to ensure consistent pore sizes. It is reusable in many applications. Nylon, polyester and polypropylene media is available with micron ratings from 1-200 microns.

**Multifilament Mesh Bags:**
Multifilament mesh is a low cost media with micron ratings form 100 to 1500 microns. It is used in applications where the extra strength of a monofilament is not needed. Multifilament bags are available in Polyester only.

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**Material Selection Guide**

<table>
<thead>
<tr>
<th>FILTER MEDIUM</th>
<th>POLYPROPYLENE</th>
<th>POLYESTER</th>
<th>NYLON</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatible with</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potable liquids, water</td>
<td>4</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Organic Solvents</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Oils</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Organic Acids</td>
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<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Alkalies</td>
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<td>4</td>
</tr>
<tr>
<td>Oxidizing Acids</td>
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<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Strong Inorganic Acids</td>
<td>4</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Dilute Inorganic Acids</td>
<td>4</td>
<td>3</td>
<td>1</td>
</tr>
</tbody>
</table>

0 = Not Recommended, 1 = Poor, 2 = Fair, 3 = Good, 4 = Excellent

**Ordering Guide (Example: BPG-5-2PF )**

<table>
<thead>
<tr>
<th>B</th>
<th>PG</th>
<th>5</th>
<th>-</th>
<th>2</th>
<th>PF</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODEL</td>
<td>MEDIA</td>
<td>MICRON</td>
<td>BAG SIZE</td>
<td>RING</td>
<td>OPTION</td>
</tr>
<tr>
<td>B</td>
<td>Polypropylene Glazed</td>
<td>1 150</td>
<td>1</td>
<td>S = Steel</td>
<td>Blank = None</td>
</tr>
<tr>
<td></td>
<td>High Efficiency Polypropylene*</td>
<td>3 200</td>
<td>2</td>
<td>SS = Stainless Steel</td>
<td>H = Handle</td>
</tr>
<tr>
<td></td>
<td>Polypropylene Monofilament</td>
<td>5 250</td>
<td>3</td>
<td>P = Polypropylene</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Polyester Glazed</td>
<td>10 300</td>
<td>4</td>
<td>PF = Polypropylene Flange</td>
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</tr>
<tr>
<td></td>
<td>Polyester Monofilament</td>
<td>25 400</td>
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<tr>
<td></td>
<td>Polyester Multifilament+</td>
<td>50 600</td>
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</tr>
<tr>
<td></td>
<td>Nylon Monofilament</td>
<td>75 800</td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>Oil Absorbent</td>
<td>100 1000</td>
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</tr>
</tbody>
</table>

* For HPG bags, add -A for 99% efficiency, -B for 95% efficiency and –C for 90% efficiency
+ Multifilament bags are available in 100 micron and above.

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**Filter Housings**

Shelco manufactures a full line of filter housings. From our rugged single cartridge housings to our heavy duty multi-cartridge housings and bag filter housings, Shelco is the perfect choice for your filtration solutions.

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