PECO introduces the ComPleat™ High Dirt element series. The ComPleat™ HD features the unique W pleat multi-layer media configuration. The element is engineered to provide absolute efficiency along with exceptional dirt loading capability.

When you need an element to remove high amounts of dirt and other contaminants in your process stream the ComPleat™ HD is your solution. ComPleat™ HD elements remove up to 25 pounds of contaminant with one single element.

ComPleat™ HD elements can be used in conjunction with the PECO Chemlelean™ HD Liquid Vessel (Technical Data Sheet FS-CH-TD-01) or as a retrofit in competitive vessels.

Applications

- Water Treatment
- Amines
- Ro/Di Prefilters
- Plating Solutions
- Flavorings
- Inks
- Ultrapure Water
- Waterflood
- Beer & Wine
- Edible Oils
- Desalination
- Distilled Spirits

The ComPleat™ features the unique W optimized pleat. This configuration enhances pleat separation and alignment to allow full utilization of the pleat pack surface area.
Operational Data

- Recommended Initial $\Delta P \leq 2$ psid
- Recommended Element Change $\Delta P$ 35 - 50 psid
- Maximum Operating Temperature 180° F / 82° C
- Maximum $\Delta P$ 50 psid
- Flow Direction Outside to Inside
- Recommended Flow Rate 40 to 45 gpm

Specification Data

- Micron Ratings Available 0.5, 2, 5, 10, 15, 25, 40, 70 Absolute

Flow rates given are for water at ambient temperature.

To determine the pressure drop for liquids with different viscosities:

1. Determine Delta P at 1cp per chart at left.
2. Multiply the Delta P at 1cp by the viscosity of the liquid in cp.
3. Divide that pressure drop by 2 to obtain the number of elements required to obtain a clean flow pressure drop of 2 psid for the system.
**ELEMENT NOMENCLATURE**

**OPHD**
- **6**
- **39**
- **10**

**PRODUCT LINE**
ComPleat™ High Dirt

**LENGTHS**
- 39 = 38"

**MICRON RATING**
- ZZ = 0.5
- 02 = 2
- 05 = 5
- 10 = 10
- 15 = 15
- 25 = 25
- 40 = 40
- 70 = 70

**OUTSIDE DIAMETER**
6 = 6.2"

**MEDIA**
- L = Polypropylene

**GASKETS**
- B = Buna N
- E = EPR
- V = Viton
- S = Silicon

**MISCELLANEOUS**

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**Dirt Holding Capacity for a Single Element**

<table>
<thead>
<tr>
<th>Depth</th>
<th>High Dirt</th>
<th>Pleated 6&quot; x 36&quot;</th>
<th>Pleated 2.5&quot; x 40&quot;</th>
<th>Pleated 2.5&quot; x 40&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 lbs</td>
<td>2</td>
<td>0.65</td>
<td>0.35</td>
<td></td>
</tr>
<tr>
<td>25 lbs</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Above results are based on standard PECO testing protocol.

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