**TruGard™**
**Pleated Air/Gas Filter Elements**

Common contaminants, such as rust, sand, scale, and chemicals, found in air and gas streams can erode and damage ordinary filters. The combination of corrosion resistant hardware and tough synthetic media give the TruGard “TRUE” staying power in the presence of corrosive, erosive and oxidizing contaminants. The absolute rated media stops particulate from reaching your critical equipment with no worries about tearing, swelling, shedding or unloading. Using a high surface area pleated media, the TruGard also boasts a high dirt loading capacity, yielding extended service life. In air and gas applications where only the best filtration will do, rely on the TruGard.

**THE BOTTOM LINE**

- **High Surface Area**
  TruGard elements contain as much as 36 square feet of pleated filter media. In services with rigid particulate contaminants this equates to extended service life with less pressure loss than standard filters.

- **Quality Construction**
  TruGard elements are manufactured in an ISO 9001:2000 certified environment that ensures consistency of product quality. Consistent quality means fewer product issues that you have to deal with in the field, improving productivity and reducing downtime.

- **Corrosion Resistant Hardware**
  Ordinary filters are damaged or destroyed by the impact of high velocity particles found in many air and gas streams. TruGard elements are protected by a heavy duty steel outer shell, end caps and core. With TruGard elements installed, there is little risk of erosion related element failures.

- **Tough Chemical Resistant Media**
  TruGard elements are made exclusively with absolute rated synthetic filter media materials known for their resistance to chemical attack. So, if your application contains trace amounts of chemicals such as corrosion inhibitors, antifoam, biocides, acids, caustics of other reactive chemicals, rely on TruGard elements to protect your downstream investment.

- **Built with Safety in Mind**
  At PECO Facet safety is our number one priority. TruGard elements use metal parts that contain no exposed, jagged edges. This prevents injury during handling. The spiral-wound cores are easier and safer to remove from the element support in the event that the elements are over pressurized and crushed. Reduce safety risks protect personnel and help your facility achieve safety goals.

**APPLICATIONS**

- **Natural Gas Processing and LNG Plants**
  Mol Sieve regeneration gas and overheads
- **Natural Gas Distribution**
  M&R station
- **General Industrial**
  Vent & exhaust gases, air dryer discharge, scrubber discharge

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>MATERIALS</th>
<th>MEDIA</th>
<th>polyester, polypropylene, nylon or glass steel (galvanized or tin plated)</th>
<th>CORE</th>
<th>steel (galvanized or tin plated)</th>
<th>OUTER SHELL</th>
<th>steel (galvanized or tin plated)</th>
<th>END CAPS</th>
<th>steel (galvanized or tin plated)</th>
<th>GASKETS</th>
<th>buna-n</th>
<th>OPTIONS</th>
<th>high pressure core, gasket materials</th>
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**OPERATING DATA**

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<td>50</td>
</tr>
<tr>
<td>Glass</td>
<td>240</td>
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- Recommended change-out DP is 15 psid.
- Normal flow direction is outside to inside.

**NOMINAL DIMENSIONS**

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<td>6.0</td>
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**A Name You Know...Filters You Can Trust™**

perryequipment.com
Sealing a Double Open End Element
A filter element is only as good as the seal that is achieved between the dirty and clean side of the filter vessel. The difficulty of sealing the element is primarily a function of the vessel manufacturer’s element support and sealing hardware. Elements with open ends and flat gaskets are subject to bypassing contaminant under the following conditions:

- The element appears to be bowed or sagging.
- The gasket at both ends does not contact the sealing surface with adequate pressure all the way around the gasket.
- The sealing surfaces are dirty or damaged.

Bottom sealing surfaces are made in two primary configurations; knife-edge and flat washer. Top sealing surfaces are also made in two primary configurations; dimpled and flat. A knife-edge seal has a ridge on the vessel’s bottom element seat that cuts into the gasket. A dimpled seal has a rounded ridge that pushes out against the inside surface and down on the flat surface of the gasket. Flat surfaces fit flush against the flat surface of the gasket. Knife-edge and dimpled designs are less prone to bypass.

When installing an element ensure that all sealing surfaces are clean and undamaged. Center the element against the sealing surfaces, tighten the securing mechanism (nuts, cams, etc.) as specified by the manufacturer. Always double check for loose elements because some elements shrink as they are tightened.

Remember the element is only as good as the seal that you achieve during installation.

PARTICLE RETENTION
- Efficiency: 99.98%
- Grade [µm]: 0.5, 1, 5, 10, 20, 50

NOTES
1. Max. D.P. may be limited by the vessel manufacturer’s design.

REPLACEMENT OPTION FOR
- Anderson
- Filter-Mart
- Jonell
- Nowata
- Pall
- Porous Media
- Others

VESSELS
- PECO Series 70
- Other vessels manufactured to be compatible with 3xx, 5xx, and 6xx double open ended or single open ended style elements.

ORDERING INFORMATION

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<th>PSFG</th>
<th>—</th>
<th>336</th>
<th>—</th>
<th>M1C</th>
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<th>10</th>
<th>—</th>
<th>E</th>
<th>—</th>
<th>V</th>
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<td>SIZE</td>
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<td>GRADE [µm]</td>
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<td>324</td>
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<td>636</td>
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PECO offers a single open end design that has a closed cap on the top. This eliminates the need for a separate sealing washer.

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