**PleatXtream™ E**

**Pleated Cellulose Elements**

Replacement Option for 3M/Cuno 740 Style High Flow/High Dirt Elements

The PleatXtream E series retrofits directly into vessels that are designed for 3M 740 style elements. An economical alternative, the PleatXtream E offers high surface area, a large range of filtration grades, an ergonomic handle and an o-ring seal. Structurally, the PleatXtream E offers a large diameter, corrosion resistant, steel core, eliminating worries about crushing the delicate element support posts found in many vessels. A choice of cellulose, glass/cellulose composite or cellulose/synthetic composite media provides nominal filtration performance and service life in a wide range of applications. Whether you need an inexpensive alternative for temporary periods of high filter usage, or you permanently convert to PleatXtream E elements, expect world class service, quality and value that keeps you coming back.

### THE BOTTOM LINE

- **No More Crushed Element Supports**
  The PleatXtream E utilizes a large diameter, corrosion resistant, steel core, while others use a small diameter polypropylene core that hugs the element support post. Small excursions of high differential pressure can cause small synthetic cores to yield and crush the delicate element support post in many vessels. Replacing the damaged posts can be time consuming and costly. Eliminate this worry by installing PleatXtream E elements today.

- **The Choice is Yours**
  PECOFacet is an industry leader in filtration products. Don’t get locked into a single source. Adding PECOFacet to the supplier list for all your filtration needs will ensure your access to the best products at competitive prices. PleatXtream E elements are made with quality materials in an ISO certified manufacturing environment. Performance and structural integrity are backed by a no-nonsense factory warranty. Send us the manufacturer model number and we’ll do the rest.

### APPLICATIONS

- **Gas Processing**
  Amine and glycol
- **Gas Production & Gathering**
  Produced water, amine, glycol, well completion fluids
- **Petroleum Refining**
  Liquid feedstocks, petroleum products, amine, lube oil
- **General Industrial**
  Water, lube oil, petroleum oils

### SPECIFICATIONS

#### MATERIALS

- **MEDIA**
  cellulose, glass/cellulose composite or cellulose/synthetic composite
- **CORE**
  steel (galvanized or tin plated)
- **OUTER COVER**
  polypropylene netting
- **END CAPS**
  polypropylene
- **O-RINGS**
  buna-n
- **OPTIONS**
  o-ring materials, end cap materials

#### OPERATING DATA

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- Recommended change-out D.P. is 35 psid.
- Normal flow direction is outside to inside.

#### NOMINAL DIMENSIONS

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**A Name You Know...Filters You Can Trust™**

perryequipment.com
PleatXstream™ E
Pleated Cellulose Elements

Replacement Option for 3M/Cuno 740 Style
High Flow/High Dirt Elements

**PERFORMANCE**

- Flow Calculation
  Determine the flow (Q) for a given initial differential pressure (DP) with the following calculation:

  \[ Q = \frac{-DP}{k_2 \mu + k_1} \]

  where
  \[ k_2 = -0.00008 \times m + 0.0023 \]
  \[ k_1 = -0.0004 \times m + 0.0206 \]

  Note: Maximum allowable flow rate 60 gpm. Valid for element range of 2 to 25 micron.

  Example:
  Viscosity: 1cP
  Desired initial differential pressure: \( \leq 2 \) psid
  Desired micron grade: 2

  \[ Q = \frac{2}{((-0.00008 \times 2) + 0.0023) \times 1} + ((-0.0004 \times 2) + 0.0206) \]

  \[ Q = \frac{2}{(0.00214 + 0.0198)} \]

  \[ Q = 0.02194 \]

  = 91.16 gpm

  Note: maximum flow per cartridge is 60 gpm indicating the the initial differential pressure will be less than 2 psid.

**PARTICLE RETENTION**

- Efficiency: Nominal
- Grade [µm]: 2, 5, 10, 25, 40, 50, 70

**REPLACEMENT OPTION FOR**

- 3M/Cuno 740 and 740KF Series
- Fluitek
- FTC
- Jonell
- Parker MX Series
- Royal RL-638 Series
- Others

**NOTES**

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

**VESSELS**

- 3M/Cuno
- Nowata
- PECO Series 55HDH, 55HDV, Chemelcan HD
- Parker
- Others

**ORDERING INFORMATION**

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<th>HD</th>
<th>639</th>
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<td>02</td>
<td>2</td>
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