

Poromet®

Cleanable Stainless Steel Elements

Poromet filter elements are designed to easily install in most commercially available vessels. Made from 316 stainless steel, this series of cleanable elements stands up to the most challenging fluid filtration applications. Whether it is high-temperature, highly corrosive or it's just too costly to maintain with throw-away elements, the Poromet series offers an affordable, durable, reusable solution. Exceeding the competition's performance, Poromet elements can lower your costs by providing longer on-stream life, minimized disposal costs, and years of trouble-free service. Expect durable, easy to clean, absolute filtration when you trust your process to Poromet.

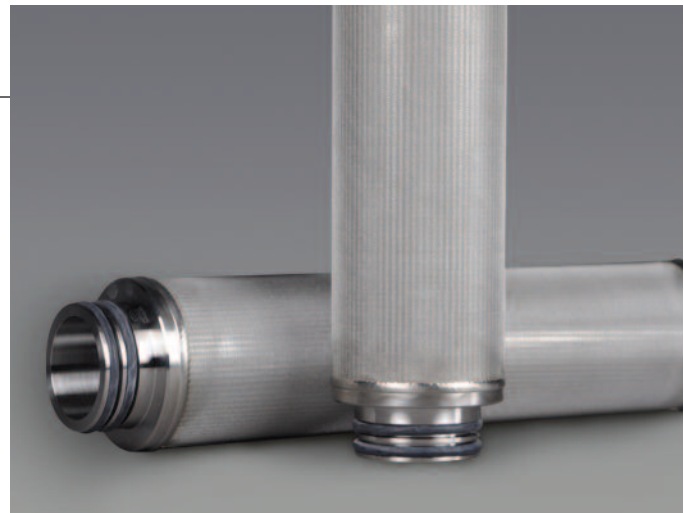
THE BOTTOM LINE

- Superior Quality at Reduced Cost**
 PECO's exclusive electron beam welding process provides superior product quality at reduced costs. Heat distortion, oxidation and sensitization are eliminated. These are issues that can lead to element breaches allowing contaminants to bleed downstream. Don't risk costly downtime, replacement costs for faulty elements, and wasted product. Install Poromet elements today.
- Lower Energy Costs**
 Poromet cores are designed to withstand pressures up to 250 psid. Electro-polishing removes all metal burrs allowing filtered fluids to pass through the elements with less friction and turbulence, reducing energy usage.
- Extended Service Life**
 Poromet pleated elements have over twice the filtering area as competitive elements. Expect more time between elements changes and cleaning, translating into less operation and maintenance expenses.

APPLICATIONS

- General Industrial**

Resins	Glycol
Petroleum Feed Stocks	Caustic
Waxes	Acids
Amine	Water
Petroleum Oils	Chemicals
	Beverages
	Distillates



SPECIFICATIONS

MATERIALS

- MEDIA** 316 stainless steel wire cloth
- POROPLATE®** cylindrical
- POROMESH®** pleated
- POROFELT®** pleated depth
- END CAPS** 316 stainless steel
- GASKETS** buna-n
- OPTIONS** end treatments, gaskets/o-rings

OPERATING DATA

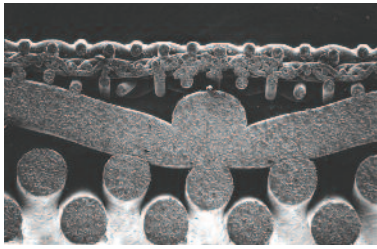
Media	Max Temp. ³ [F]	Max D.P. ³ [psid]
Poroplate	850	125
Poromesh	850	250
Porofelt	850	250

- Recommended change-out DP is 15 psid
- Normal flow direction is outside to inside

NOMINAL DIMENSIONS

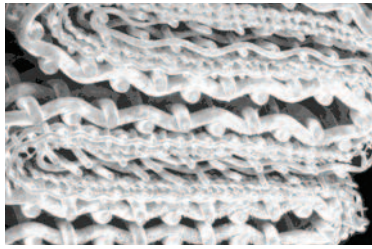
End Fitting	O.D. [in.]	I.D. [in.]	Length [in.]
NPT	2.375	1.0	10
DOE	2.375	1.13	20
222	2.375	1.4	30
226	2.375	1.4	40

MEDIA



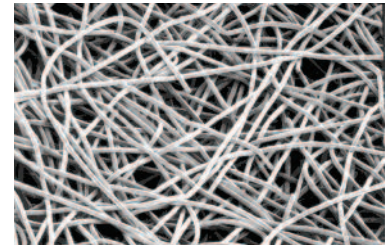
POROPLATE® MEDIA

A self-supporting medium made from multiple layers of woven wire cloth, sintered into a rigid, porous metal structure. POROPLATE elements are cylindrical, surface-type filters that are perfect for back-flushing and repeated cleaning. Because Poroplate elements are self-supporting, expensive filter support cores are eliminated.



POROMESH® MEDIA

Multiple layers of diffusion bonded wire cloth are pleated to maximize filter area and on-stream life. Poromesh media capture contaminants on the upstream surface of the filter element, where it is easily cleaned or back-flushed.



POROFELT® MEDIA

Microscopic, stainless steel fibers are random-laid and sintered in our proprietary diffusion bonding process. These media are then supported between two or more layers of wire cloth and pleated. Porofelt depth media traps particles deep within its complex pore structure. Porofelt elements provide finer filtration, with optimum dirt-holding capacity and permeability.

PARTICLE RETENTION

- **Efficiency:** Absolute
- **POROPLATE Grade [µm]:** 10, 20, 40, 70, 100, 150
- **POROMESH Grade [µm]:** 10, 20, 40, 70, 100, 150
- **POROFELT Grade [µm]:** 10, 20, 40

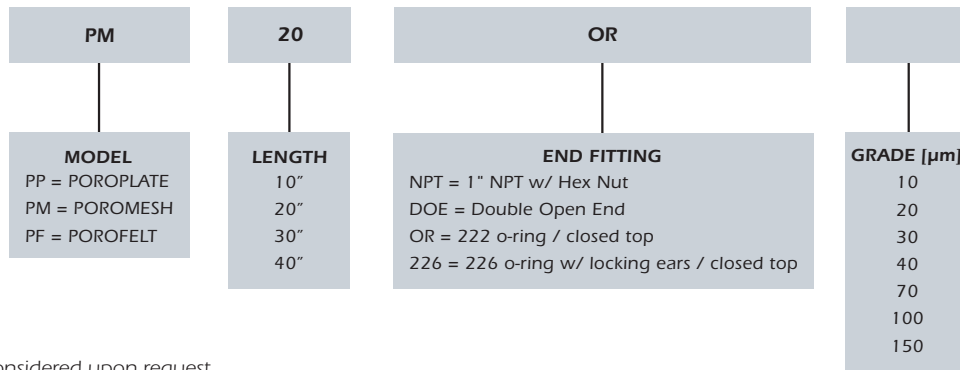
NOTES

1. Max D.P. may be limited by the vessel manufacturer's design.
2. Poroplate elements can be cleaned & reused in accordance with PECOFacet procedures. Contact the factory for more information.

VESSELS

- PECO Series 55, 65, RFF
- Cuno
- Facet
- Nowata
- Pall
- Parker
- Purolator
- Others

ORDERING INFORMATION



- Other lengths considered upon request.