

# GritGard™

## Pleated Air/Gas Filter Elements

Designed for installation in PECO Series 30 inline gas filter vessels, GritGard elements remove dust, scale, rust, sand and other particulates from small volume air and gas streams. Featuring your choice of durable synthetic or economical cellulose filter media, GritGard elements offer flexibility to meet your application needs. Synthetic media offers a high level of protection against erosive contaminants, provides longer service life and performs with absolute efficiency. Cellulose media offers nominal efficiency at an economical price. All models are configured with a single open end and robust compression spring ensuring a tight seal that won't bypass contaminant. Protect your investment with GritGard pleated air/gas filters.

### THE BOTTOM LINE

- High Surface Area**  
 GritGard elements contain as much as sixteen 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**  
 GritGard 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 and Erosion Resistant Hardware**  
 Ordinary filters are damaged or destroyed by the impact of high velocity particles found in many air and gas streams and may be negatively impacted by the presence of chemicals and water. GritGard elements are protected by corrosion resistant, heavy duty, steel end caps and cores and are available with chemical and water resistant synthetic media. With GritGard elements installed, there is little risk of corrosion or erosion related element failures.
- Tough Chemical Resistant Media**  
 GritGard elements are available 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 or other reactive chemicals, rely on GritGard elements to protect your downstream investment.
- Built with Safety in Mind**  
 At PECOFacet safety is our number one priority. GritGard 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. Reduced safety risks protect personnel and help your facility achieve safety goals.



## SPECIFICATIONS

### MATERIALS

- MEDIA** polyester or cellulose
- CORE** steel (galvanized or tin plated)
- OUTER COVER** PET netting
- END CAPS** steel (galvanized or tin plated)
- SPRING** steel
- GASKETS** buna-n
- OPTIONS** gasket materials

### OPERATING DATA

Max. Temp. [F]	Max. D.P. <sup>1</sup> [psid]
240	50

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

### NOMINAL DIMENSIONS

Model	O.D. [in.]	I.D. [in.]	Length [in.]
6-3.12	6.0	3.5	3.12
6-7.81	6.0	3.5	7.81

### SURFACE AREA

Model	Surface Area (ft <sup>2</sup> )
PEPP-6-3.12	3.2
PEPP-6-7.81	8.4
PEPS-6-3.12	6.1
PEPS-6-7.81	16.0

### APPLICATIONS

- Natural Gas Distribution**  
 Protect flow meter, regulators, and control valves
- General Industrial**  
 Vent & exhaust gases, air dryer discharge, scrubber discharge, flow meter, regulator and control valve protection, fuel gas
- Power Generation**  
 Turbine fuel gas



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### PARTICLE RETENTION

- **Efficiency with Synthetic Media:** 99.98%
- **Efficiency with Cellulose Media:** 98%
- **Grade [µm]:** 2, 5, 10, 20

### NOTES

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

### REPLACEMENT OPTION FOR

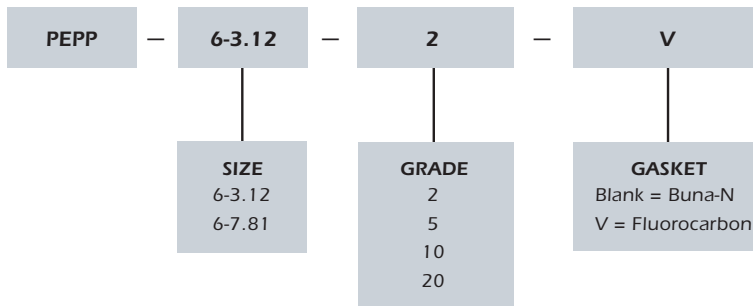
- American Meter
- Jonell
- Others

### VESSELS

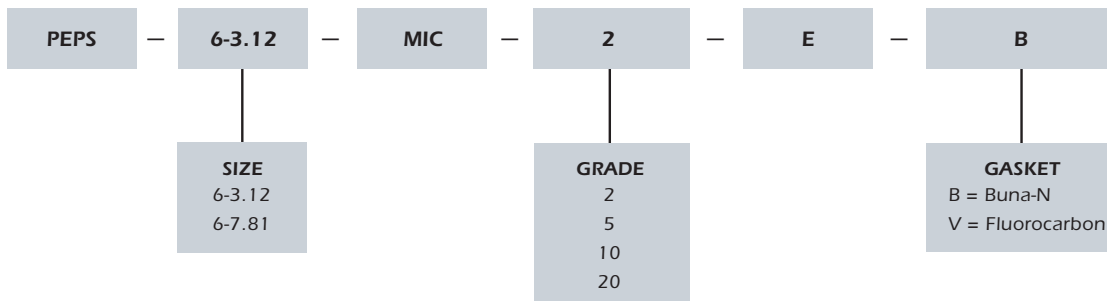
- PECO Series 30 and 30A
- Others

### ORDERING INFORMATION

#### CELLULOSE



#### POLYESTER



Wolters Industrial Park / P.O. Box 640 / Mineral Wells, TX 76068  
 Phone 940.325.2575 / Fax 940.325.4622 / [peryequipment.com](http://peryequipment.com)  
 Email [PECOElements@PECOFacet.com](mailto:PECOElements@PECOFacet.com)

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