

## Epocel® Series Filter Elements

### Pleated, High Area Filter Cartridges for Long Service Life

- Epoxy Impregnated Cellulosic Media with a Fixed Pore Construction Eliminates Unloading and Media Migration
- Broad Chemical Compatibility
- Recommended for Use with a Wide Range of Fluids and Gases Including Photographic Emulsions and Developer Chemicals, Lube Oil, Printing Inks, Air, Nitrogen, Ammonia and Natural Gas
- Not Recommended for Food or Pharmaceutical Applications

### Performance Specifications

#### Maximum Differential Pressure:

Polypropylene Hardware: 80 psid (5.5 bard) @ 122°F (50°C)  
45 psid (3.1 bard) @ 180°F (82°C)

Stainless Steel Hardware: 75 psid (5.2 bard) @ 275°F (135°C)

### Product Specifications

#### Materials of Construction:

Filter Media: Epoxy Impregnated Cellulose  
Hardware: Polypropylene or 300 Series Stainless Steel  
Gaskets: Buna N, Viton<sup>1</sup> A, Ethylene Propylene

#### Dimensions (nominal):

Industrial (1001 style):

Outside Diameter: 2¾" (70 mm)  
Length: 10" (254 mm)  
Configuration: DOE with stainless steel hardware

UNI CAP Style:

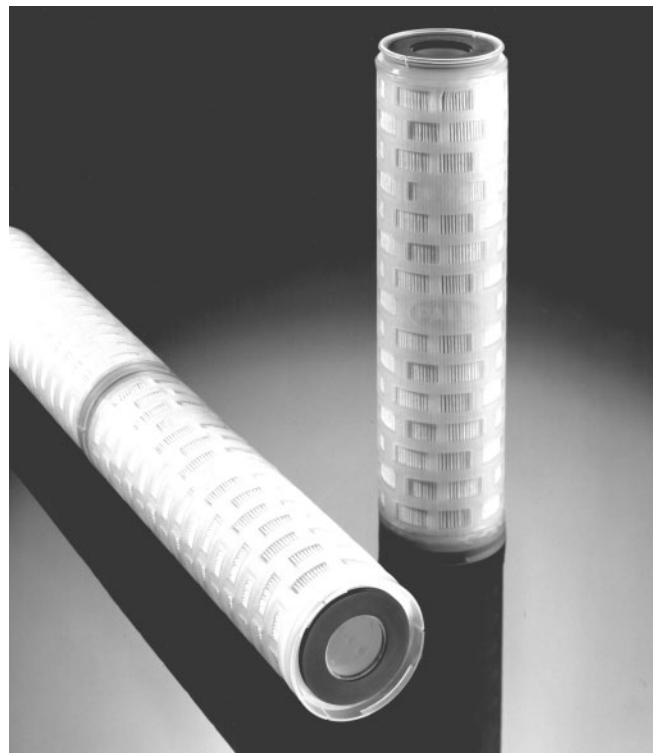
Outside Diameter: 2½" (64 mm)  
Length: 10" (254 mm), 20" (508 mm),  
30" (762 mm), 40" (1020 mm)  
Configuration: DOE with polypropylene hardware

Small Flow (4463 style):

Outside Diameter: 2¼" (57 mm)  
Length: 5¼" (133 mm)  
Configuration: SOE with stainless steel hardware

### Housing Information

Housings are available in polypropylene, carbon steel, or stainless steel and can accommodate one to 152 10" modules per housing. Contact Pall for further details.



Epocel filter elements

<sup>1</sup> Registered trademark of DuPont Dow.

## Removal Ratings and Flow Specifications

Cartridge Grade	Liquid Service (µm)		Aqueous Clean Pressure Drop <sup>4</sup> per 10" PSID per 1 GPM (mbard/lpm) (UNI CAP & 1000 Style)	Gaseous Service (µm)	
	98% Efficiency <sup>2</sup>	100% Efficiency <sup>3</sup>		98% Efficiency	100% Efficiency
EC	3	23	0.03 (0.55)	0.07	0.9
EE	10	30	0.02 (0.36)	1.5	5.0
EG	30	49	0.01 (0.18)	11	23

<sup>2</sup> Nominal Filtration Rating:  
Pall ratings reflect a higher than average 98% removal by weight.

<sup>3</sup> Absolute Filtration Rating:  
The diameter of the largest hard spherical particle that will pass through a filter under specified test conditions. This is an indication of the largest opening in the filter element.

<sup>4</sup> Pressure drop in psi per gpm water for a single 10" (254 mm) module. Multiply this value by the required flow to determine the total aqueous pressure drop. For fluids other than water, multiply differential pressure by viscosity (cP). If this calculated pressure drop is excessive, then divide this value by the number of 10" modules required to reduce this pressure drop to an acceptable level.

## Part Numbers/Ordering Information

### Element Part Number

UNI CAP Style: PUY ▼ ▲ ■  
Industrial 1001 Style: MCS 1001 ▲ ■  
Small Flow 4463 Style: MCS 4463 EC ■

Code ▼	Cartridge Lengths (nominal)
1	10"
2	20"
3	30"
4	40"

Code ▲	Cartridge Grade
EC	EC
EE	EE
EG	EG

Code ■	Gasket Options
H13	Buna N (standard for 1001 Style)
H	Viton A
J	Ethylene Propylene (standard for UNI CAP Style)



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