

High-density, graded distribution pleated polypropylene media cartridges for high performance, high flow rate filtration

## H2D FILTER CARTRIDGES

### HIGH-DENSITY, GRADED, PLEATED MEMBRANE POLYPROPYLENE MEDIA FILTER CARTRIDGES FOR HIGH CLEANLINESS, HIGH FLOW RATE FILTRATION

Cobetter™ H2D Filter Cartridges are constructed of graded pore size, high-density pleated polypropylene media. The filters deliver high flow rates, high contaminant-holding capacity for long service life filtration.

FEATURE	BENEFIT
<b>All polypropylene construction</b>	Ideal for filtration of a wide variety of water and low-viscosity chemical filtration. Provides cleanliness and strength with good chemical compatibility.
<b>Graded-density, pleated filter media</b>	<p>Large pore size on the upstream and a smaller pore size on the downstream enables lower pressure drop while delivering high contaminant-holding capacity, and long service life.</p> <p>Available in removal ratings from 0.6 to 70 µm for use with a wide range of water and chemical filtration at high flow rates</p> <p>≥ 99% efficiency</p>

### BIOLOGICAL SAFETY

<b>Extractables</b>	< 30 mg per 10 inch
<b>Bacterial Endotoxin</b>	Aqueous extraction contains <0.25 EU/mL as determined by <i>Limulus Amebocyte Lysate</i> (LAL), USP <85>.
<b>Quality Assurance</b>	These products are manufactured in a facility which adheres to ISO® 9001 Practices.

### SPECIFICATIONS

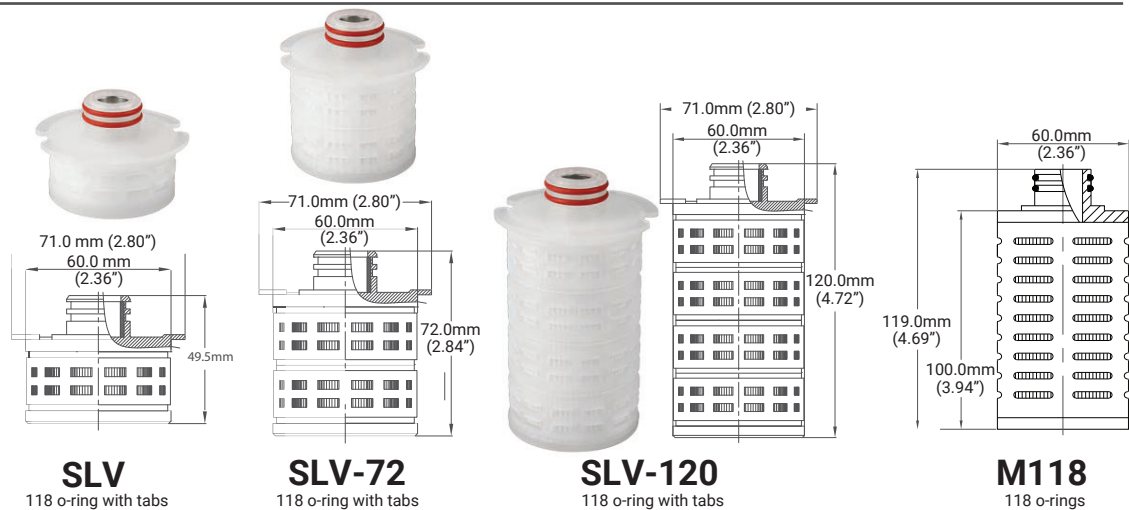
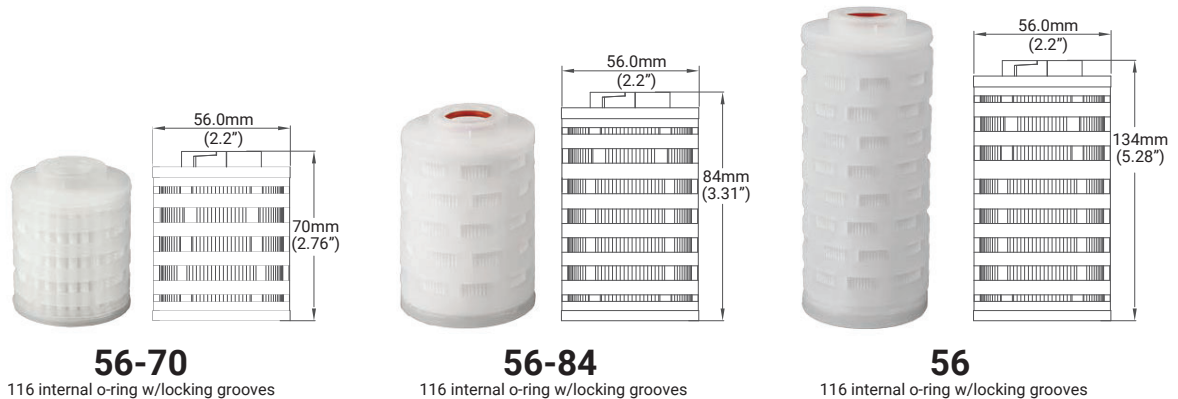
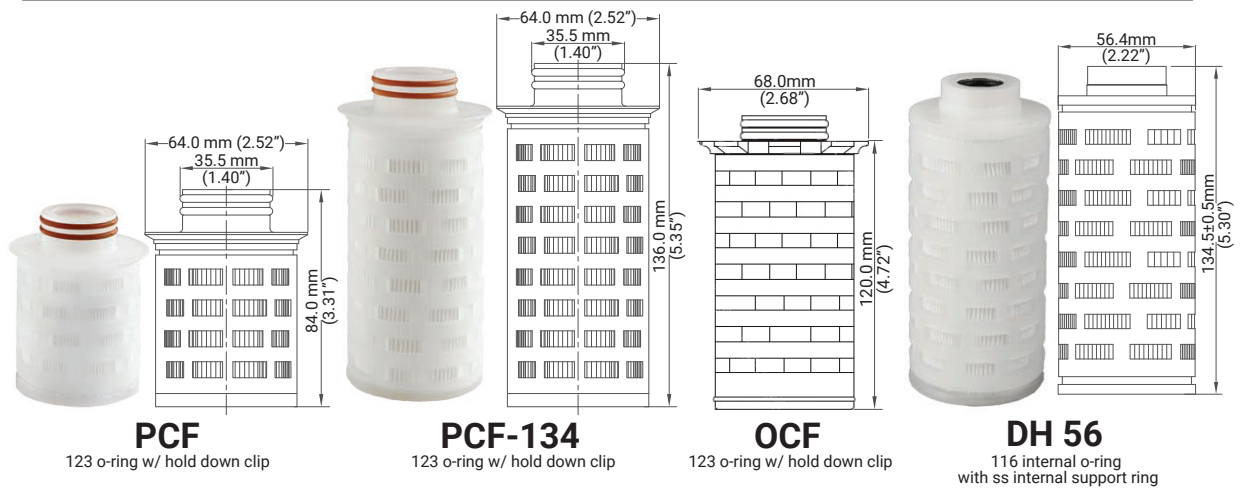
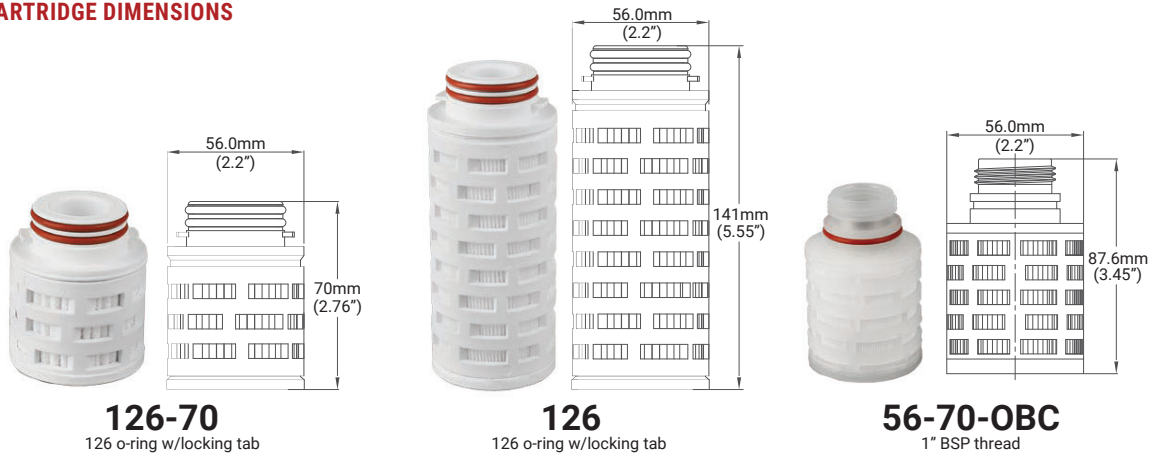
<b>Filter media</b>	Polypropylene
<b>Supports/core/cage/end caps</b>	Polypropylene
<b>O-rings</b>	FEP, EPDM, FKM, Silicone
<b>Max. operating temperature</b>	70°C
<b>Max. differential pressure</b>	0.4 MPa (4 bar, 58 psi) at 21°C 0.2 MPa (4 bar, 29 psi) at 70°C
<b>Effective filtration area</b>	0.8 m² / Φ68 10" filter 0.44 - 1.3 m² / Φ83 10" filter
<b>Sterilization</b>	Steam Sterilization (Autoclave): 121°C for 30 min. Hot Water Sterilization: 85°C for 30 min.



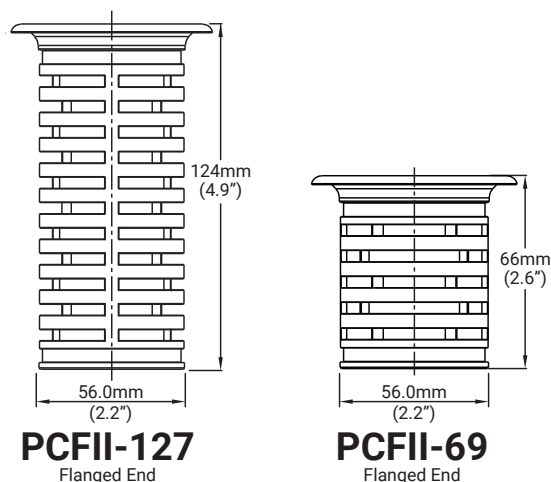
### Typical Applications

- Chemical filtration
- Water filtration
- Biological products
- Pharmaceuticals
- Film & Fiber
- Food & Beverage

## H2D MINI CARTRIDGE DIMENSIONS



## H2D MINI CARTRIDGE DIMENSIONS



## H2D MINI CARTRIDGE ORDERING INFORMATION

EXAMPLE: **56-H2D0060SC** = 116 o-ring with locking groove, 124 mm (5.28 in.), High-Density Polypropylene, 0.6 µm, silicone seal, for chemical applications



### H2D

#### Filter Code (see drawings)

*Internal 116 O-ring w/locking groove:*

**56-70** = 70mm (2.76")

**56-84** = 84mm (3.31")

**56** = 134mm (5.28")

*Internal 116 O-ring w/ ss internal support ring:*

**DH 56** = 134.5mm (5.3")

*123 O-ring w/hold down lip:*

**OCF** = 120mm (4.72")

**PCF** = 84mm (3.31")

**PCF-134** = 136mm (5.35")

*126 O-ring w/locking tab:*

**126-70** = 70mm (2.76")

**126** = 141mm (5.5")

*118 O-ring w/tabs:*

**SLV** = 49.5mm (1.95")

**SLV-72** = 72mm (2.84")

**SLV-120** = 120mm (4.72")

*118 O-rings:*

**M118** = 119mm (4.69")

*1" BSP (British Standard Pipe Thread):*

**56-70-OBC** = 87.6mm (3.45")

*Flanged End (\*No seal needed):*

**PCFII-127** = 124 mm (4.88")

**PCFII-69** = 66 mm (2.6")



#### Removal Rating

**0060** = 0.6 µm

**0120** = 1.2 µm

**0250** = 2.5 µm

**0450** = 4.5 µm

**0600** = 6.0 µm

**1000** = 10 µm

**2000** = 20 µm

**4000** = 40 µm

**7000** = 70 µm



#### Seal Material

**S** = Silicone

**E** = EPDM

**V** = FKM

**P** = E-FKM (FEPFA encapsulated FKM)

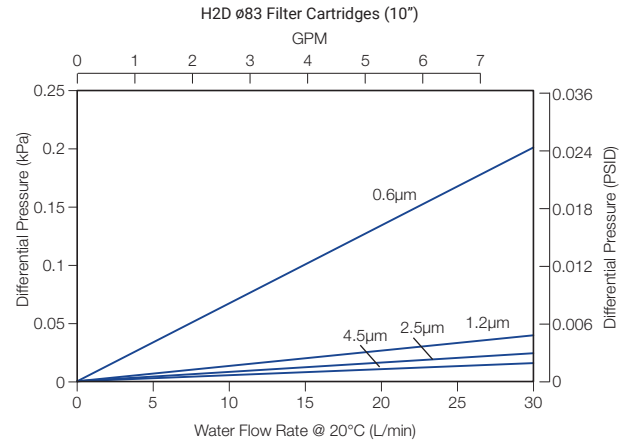
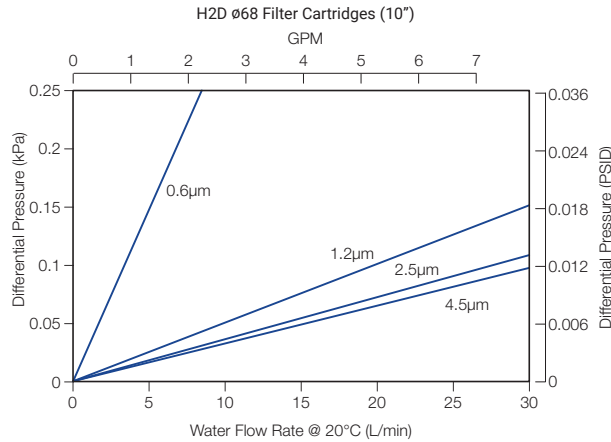
**N** = \*No seal



#### Application

**C** = Chemical

## H2D FLOW RATES



## H2D CARTRIDGE ORDERING INFORMATION

EXAMPLE: **68H2D0450TC10SC** = 2.7 inch diameter, polypropylene media, 4.5 µm, 222 o-ring flat, 10" length, with silicone seal material, filter cartridge



### H2D

#### Outer Diameter

**68** = Ø68 mm (2.7 in.)  
**83** = Ø83 mm (3.27 in.)



#### Removal Rating

**0060** = 0.6 µm  
**0120** = 1.2 µm  
**0250** = 2.5 µm  
**0450** = 4.5 µm  
**0600** = 6.0 µm  
**1000** = 10 µm  
**2000** = 20 µm  
**4000** = 40 µm  
**7000** = 70 µm



#### Connection

**DOE** = Double Open End,  
Flat Gasket  
**TC** = 222 O-ring/Flat  
**TF** = 222 O-ring/Fin  
**SF** = 226 O-ring/Fin



#### Nominal Length

**5** = 5"  
**10** = 10"  
**20** = 20"  
**30** = 30"  
**40** = 40"



#### Seal Material

**S** = Silicone  
**E** = EPDM  
**V** = FKM  
**P** = E-FKM (FEP/PFA  
encapsulated FKM)



#### Application

**C** = Chemical



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