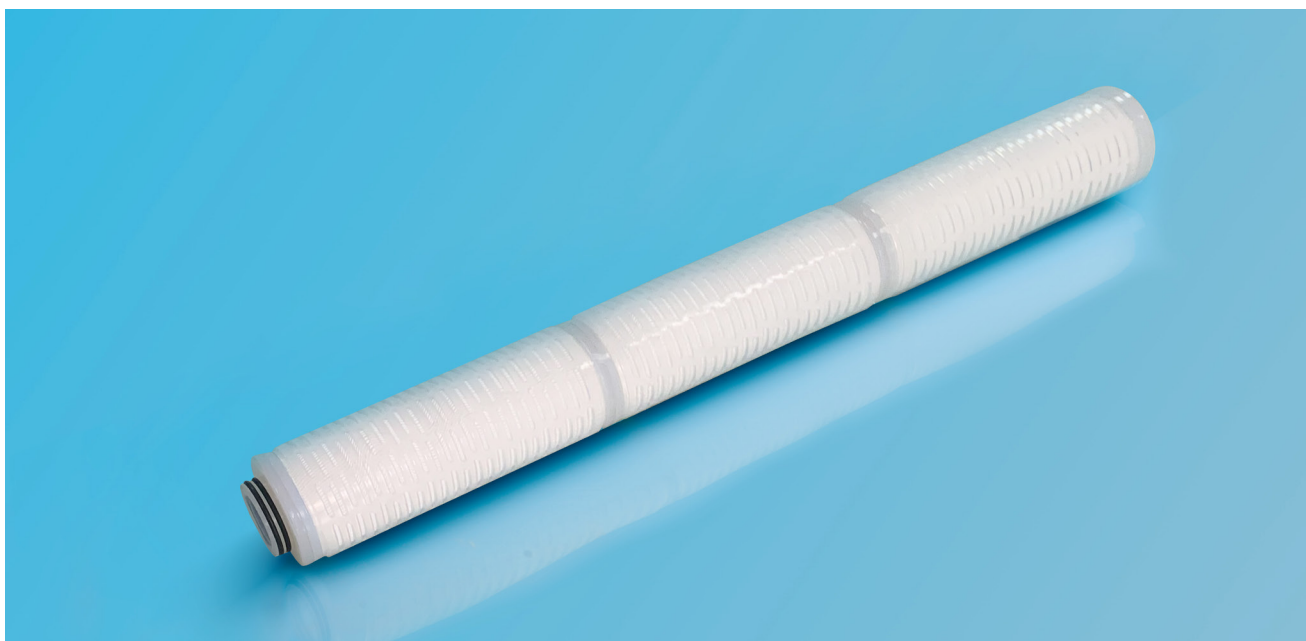


# MIGHTY-G

**High temperature and  
strong corrosion  
resistance**



*Mighty-G series cartridge adopts ultra-high-density folding technology to provide ultra-high filtration area; the unique hydrophobic material ensures high flux, low pressure loss, prolonged service life, and the accuracy can reach 0.003 $\mu$ m, which meets higher requirements.*

### **Product Features**

- Excellent compatibility
- Low leaching level
- Full PTFE
- Suitable for high temperature and high pressure environment
- High flux, low D.P.
- Manufactured in a dust-free environment
- 100% Integrity test

### **Typical Application**

- Bulky gas filtration
- Oxidizing gas filtration
- Corrosive gas filtration

### **Technical Parameter**

#### **Membrane**

Hydrophobic PTFE

#### **Cage & end cap**

PFA

#### **Support & layering**

PFA

#### **O-Ring**

FEP+FKM, FFKM

#### **Filtration rating**

0.003 $\mu$ m, 0.01 $\mu$ m, 0.05 $\mu$ m, 0.22  $\mu$ m, 0.1 $\mu$ m

### **Configuration**

Diameter: 68mm / 2.68"  
83mm / 3.27"

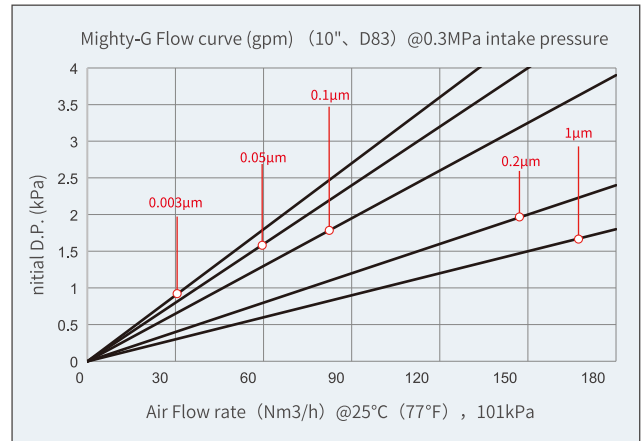
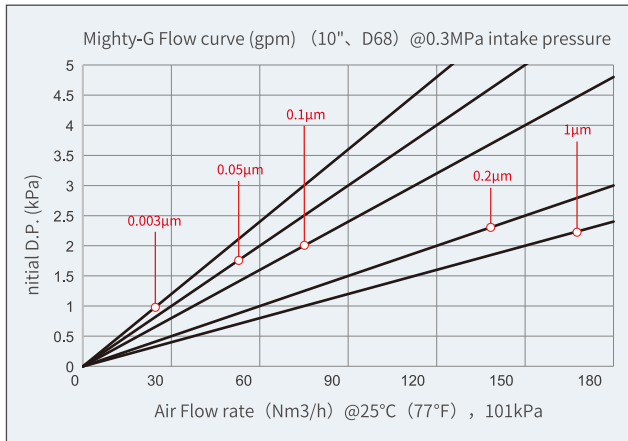
End: 2: 226 / Flat, SOE  
3: 222 / Flat, SOE  
4: 226 / Fin, SOE  
6: 222 / Fin, SOE

### **Operation condition**

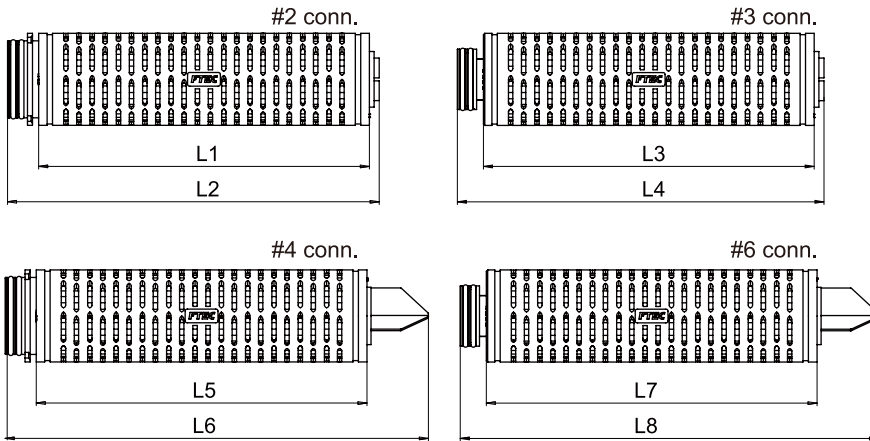
Max. operating Temp.:  
185°C / 365°F

Max. flow D.P.:  
0.69MPa < 50°C / 100psid < 120°F  
0.41MPa < 110°C / 60psid < 230°F  
0.24MPa < 170°C / 35psid < 335°F  
0.14MPa < 185°C / 20psid < 365°F

### MIGHTY-G Differential Pressure & Flow Rate (length 10")



### Dimensions



Size	5"	10"	20"	30"
L1	120	242.5	493	734
L2	150	272.5	523	764
L3	120	242.5	493	734
L4	146	268.5	519	760
L5	120	242.5	493	734
L6	188	310.5	561	802
L7	120	242.5	493	734
L8	184	306.5	557	798

Cartridge Diameter: 68mm  
Please consult with Featru-Tec for other sizes

### Ordering information

Model MG	Diameter D	Material PT	Length 05	End connections 3	O-rings C	Retention ratings A	Cleaning standard E
MG: MIGHTY-G	D: φ68	PT: Hydrophobic PTFE	05: 5" 10: 10" 20: 20" 30: 30"	2: 226 Flat end, SOE 3X: 222 Flat end, SOE* 4: 226 Fin end, SOE 6X: 222 Fin end, SOE*	C: FEP+FKM F: FFKM	G: 0.003μm H: 0.01μm A: 0.05μm B: 0.1μm C: 0.22μm	B: General grade C: Standard grade E: Electronic grade
	F: φ83		10: 10"	3X: 222 Flat end, SOE*			

\*: Locking ring

