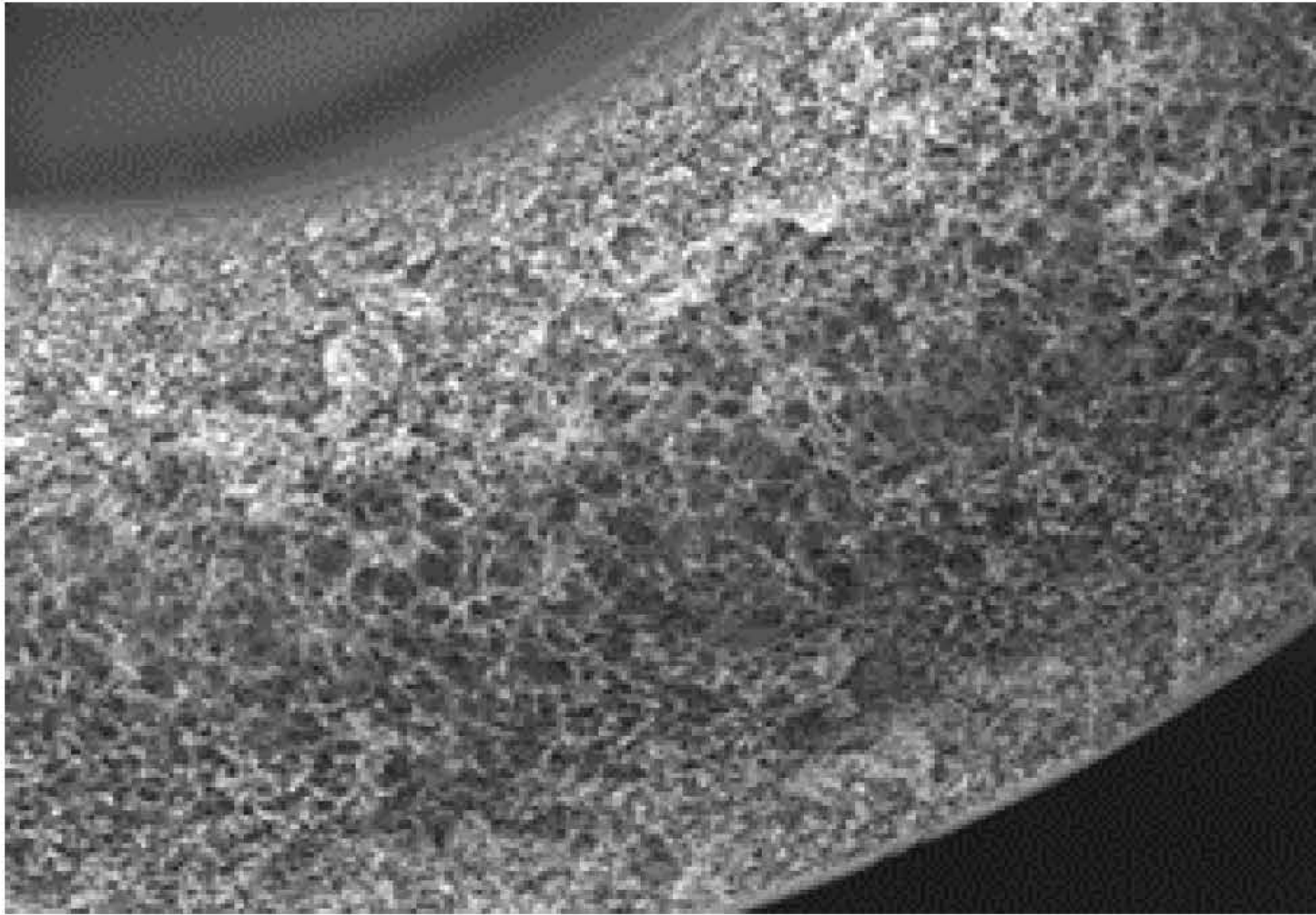


Mbranguard Hollow Fiber Membrane Cartridge

Advanced Filtration for Critical Applications



Mbranguard's hollow fiber membrane technology sets a new standard for filtration in high-demand environments. Engineered for precision and performance, it is the go-to solution for industries that require top-tier filtration efficiency combined with long-lasting reliability.

Key Benefits and Features

1. High Flow Rates, Low Pressure Drop, and Long Filter Lifetime

- Mbranguard provides a high level of particle retention, while delivering exceptional flow rates with minimal pressure drop.
- Ideal for demanding applications in cutting-edge technology sectors, its low-pressure drop ensures extended filter life, leading to reduced operational disruptions and lower total cost-of-ownership.

2. Peak Performance Provided by Hollow Fiber Technology

- Offering up to 2 times more surface area and higher flow rates compared to pleated membrane cartridges, Mbranguard enables a 10” cartridge to match the performance of a 20” pleated cartridge.
- The increased flow and reduced pressure drop allow the use of smaller, more economical filter housings, minimizing hold-up volume and filter change-out times.
- **Superior efficiency, reduced operational costs, and smaller housing requirements** make Mbranguard the smart choice for cost-sensitive and high-performance applications.

3. Compact Cartridge Construction

- The compact design of Mbranguard hollow fiber cartridges makes them perfectly suited for critical applications requiring low hold-up volume, superior flow rates, and high particle retention.
- Capable of filtering particles ranging from **60 nm to 200 nm**, the Mbranguard series ensures high-performance filtration in industries like **semiconductors, pharmaceuticals, and microelectronics**.

Mbranguard Offers

- **Reduced Change-Out Frequency:**
Longer filter life means less frequent replacements.
- **Cost Savings:**
Smaller filter housings reduce hold-up volume and operational costs.
- **Excellence Performance:**
Higher flow rates with superior particle retention from 60 nm to 200 nm.

Applications

Quality control

Equipment protection

Environmental compliance

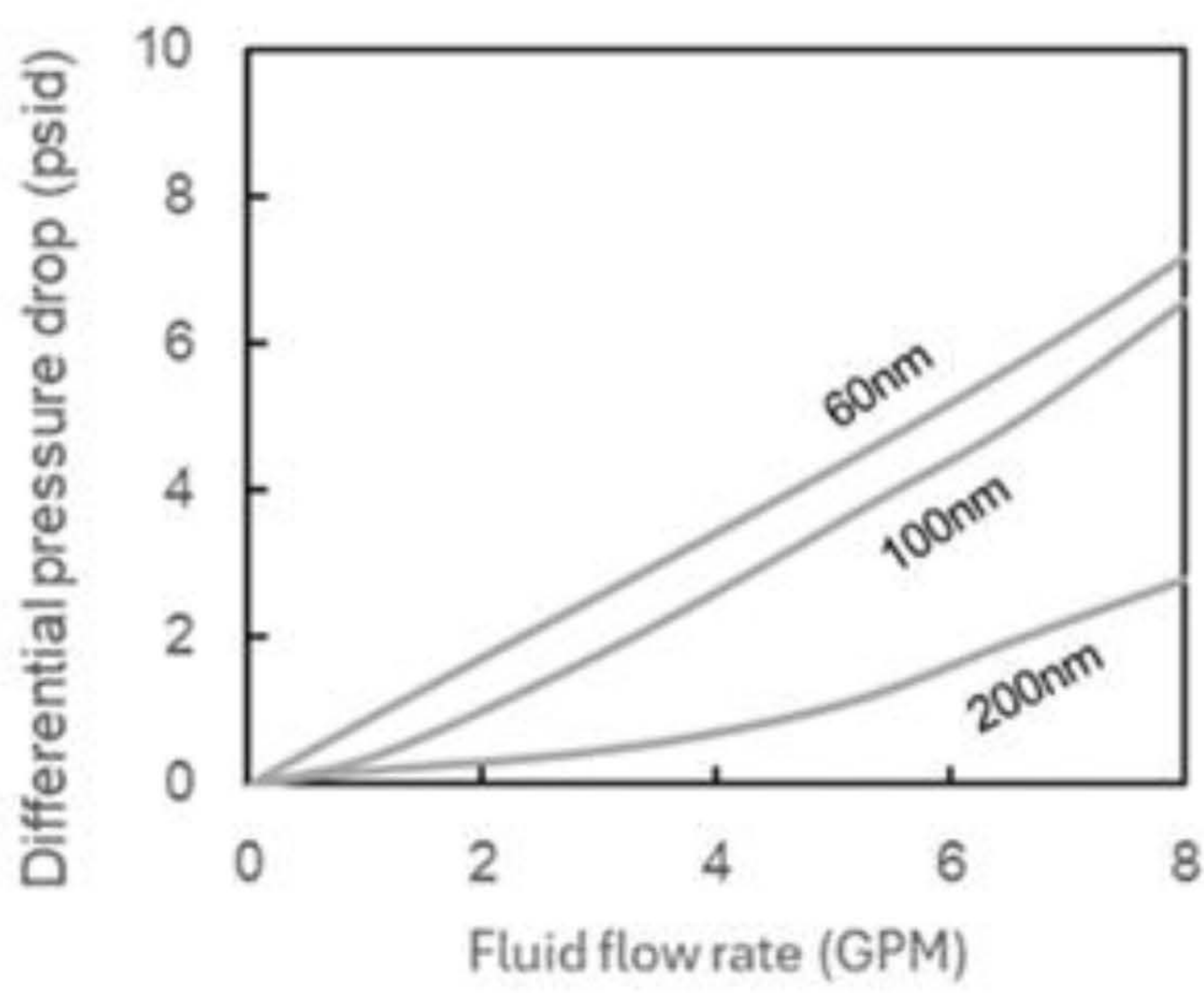
Process efficiency



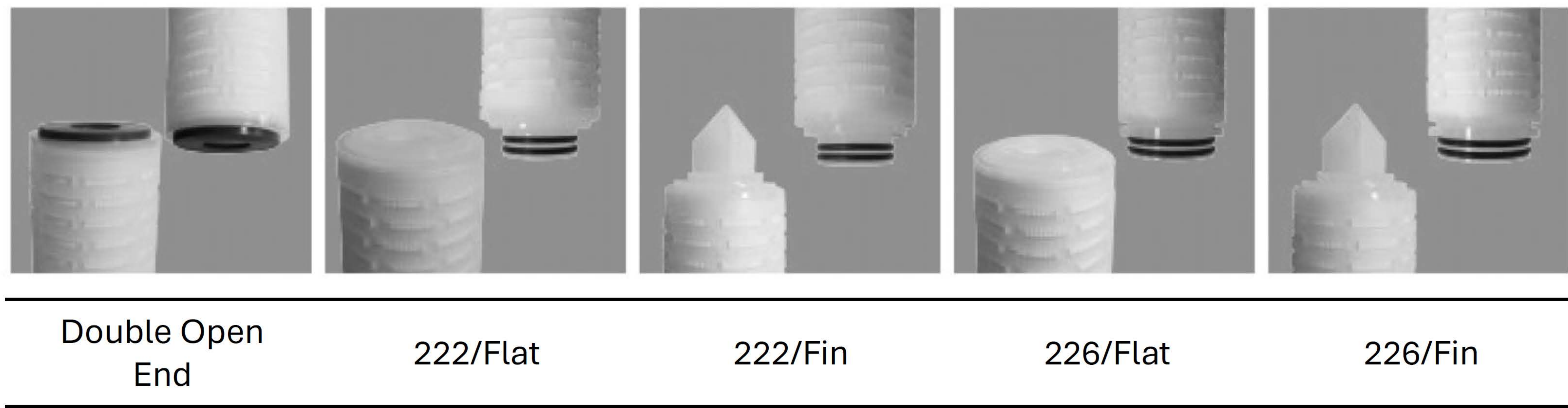
Specifications

Materials	Membrane	Polyethersulfone (PES)
	Housing body	Polypropylene (PP)
	Potting	Polyurethane (PUR)
	O-ring	EPDM / Viton / Silicon / Teflon
Absolute removal rating		60nm / 100nm / 200nm
Filtration area		1.8m ²
Operation temperature range		4~40°C
End configuration		Double open end、222/Flat、222/Fin、226/Flat、226/Fin

Typical Fluid Flow Rates @ 25° C
10" industrial cartridge - 222 connector



End Cap configuration



Order information

Item	Absolute Rating(nm)	Cartridge Length	End Cap configuration	Seal Materials
MGN	200 —	10	F2	S
MGN	060=60nm 100=100nm 200=200nm	05=5" 10=10" 20=20" 30=30" 40=40"	DOE=Double Open End B2=222/Flat F2=222/Fin B6=226/Flat F6=226/Fin	E=EPDM V=Viton S=Silicon T=Teflon

*Outer diameter: 68mm
*Crafted from FDA-approved materials for food contact applications, in accordance with Title 21 of the U.S. Code of Federal Regulations.
*The cartridge can be sanitized using standard methods. For compatibility details, please contact the manufacturer.

