

ENGINEERED PURITY.
CERTIFIED PERFORMANCE.

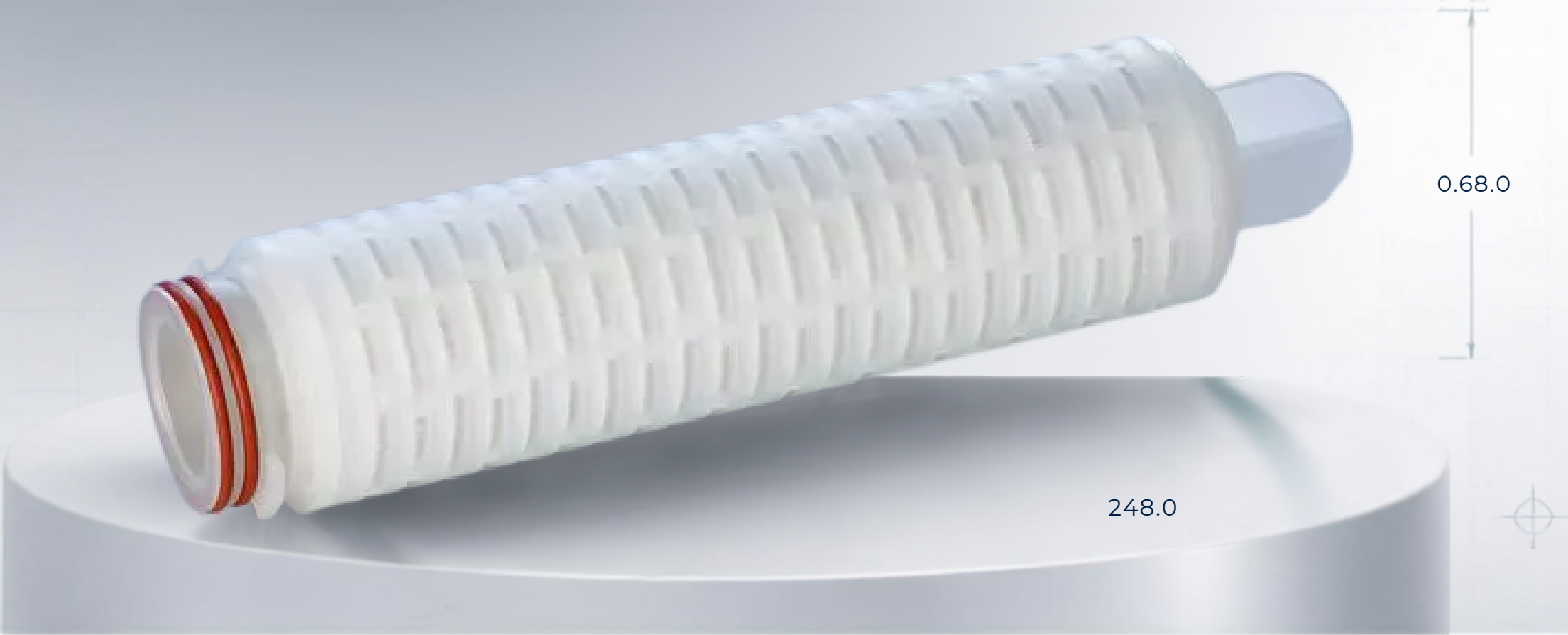


ABSOLUTE
FILTRATION RATING
0.2 – 100µm

MAXIMUM OPERATING
CONDITIONS
10.3 BAR / 149 PSI
80 °C / 135 °F

WETTED MATERIALS
SILICONE / EPDM / FKM

QUALITY ASSURANCE
ISO 9001/2015
ISO 14001/2015



Abso-Max A

HIGH-PRECISION ABSOLUTE RATED
PLEATED FILTER CARTRIDGES

ABSOLUTE
RETENTION

RELIABLE
PROTECTION

CONSISTENT
PERFORMANCE

ENGINEERED
SUSTAINABLY

Absolute Precision for Critical Process Validation

The Abso-Max A Series pleated filter cartridges are engineered for critical applications where retention reliability is non-negotiable.



Non-Contact Thermal Fusion Bonding

Proprietary non-contact thermal fusion welding creates a continuous, uniform bond without media compression—delivering maximum structural integrity with no contact contamination during manufacturing.



Solidified Polyolefin Fiber Matrix

Our thermal solidification process locks the pore structure in place, preventing media migration and fiber shedding—even under hydraulic shock, pulsing flows, and high differential pressures.



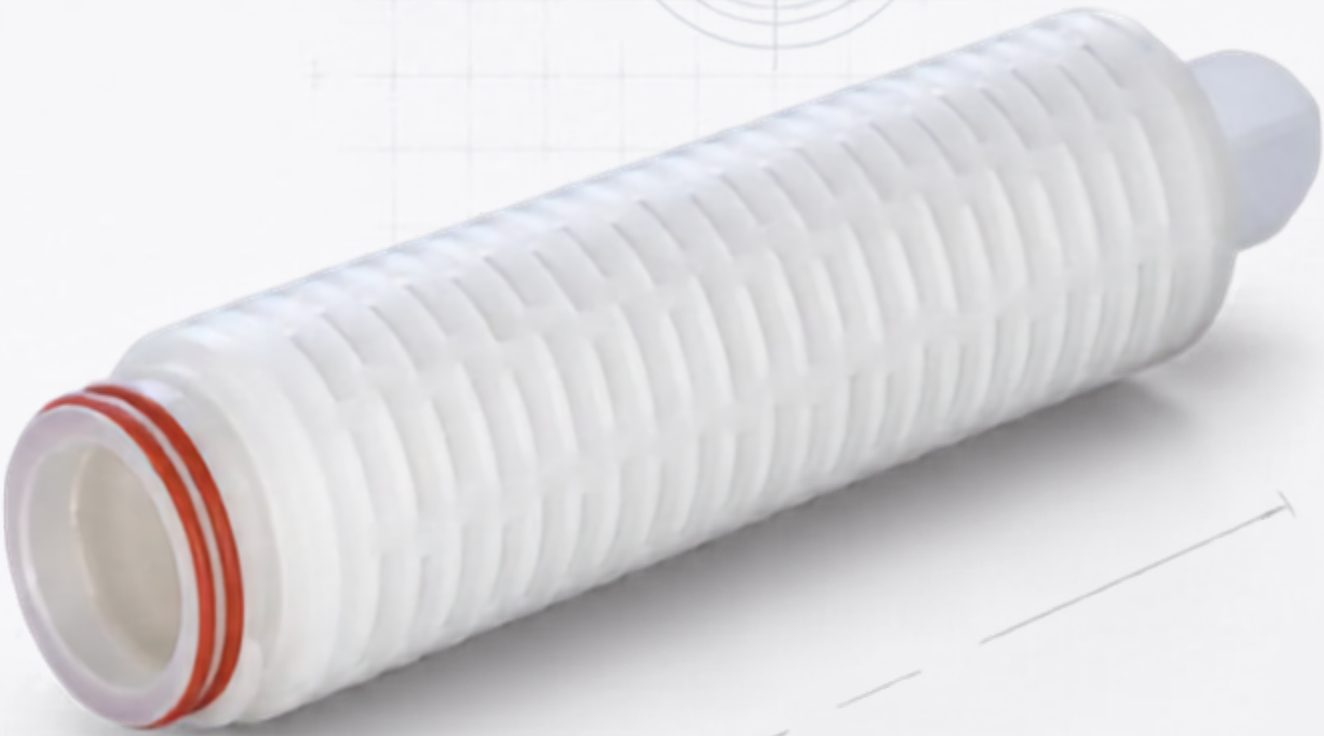
100% High-Purity Polypropylene Construction

Constructed entirely from 100% high-purity polypropylene with zero binders, adhesives, resin extraction, or surfactants—ensuring broad chemical compatibility and minimal extractables.



High Surface Area Design

Optimized pleat height and density deliver maximum effective filtration area per 10-inch element, resulting in ultra-low initial clean differential pressure and high volumetric throughput.



Applications & Specifications

Typical Critical Applications

Food & Beverage

Final polishing of beer, wine, bottled water, spirits, and carbonated beverages prior to packaging.

Pharmaceuticals & Biotech

Clarification of diagnostics, ophthalmics, reagents, solvents, and pre-filtration protection for sterile membrane systems.

Fine Chemicals

High-purity solvents, acids, bases, photoresists, and process water purification.

Electronics

Deionized (DI) water loops and microelectronics component washing.

Technical Working Characteristics

Maximum Operating Temperature: 82 °C

Maximum Forward Differential Pressure:
0.38 MPa @ 21 °C (55 psi)

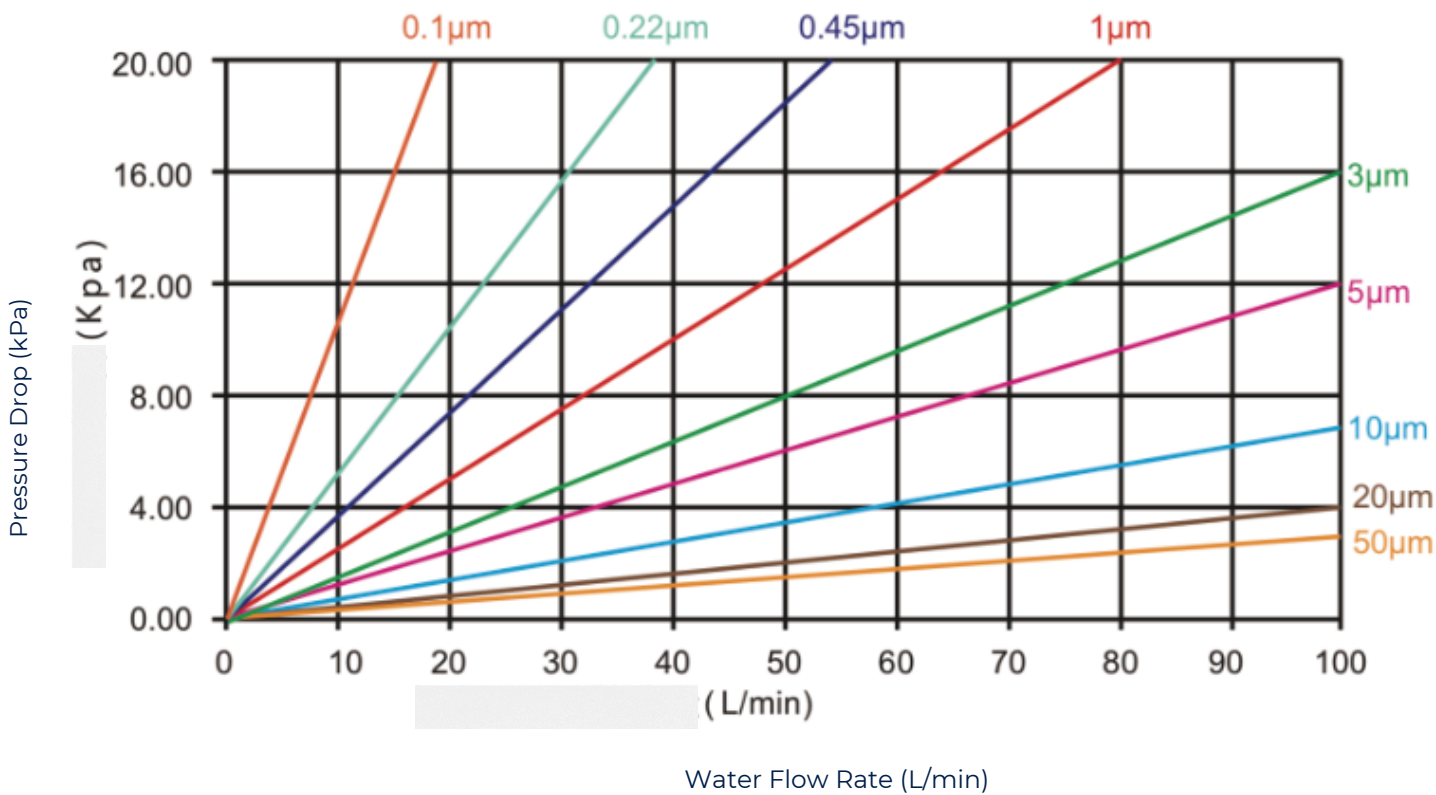
Maximum Forward Differential Pressure:
0.24 MPa @ 80 °C (35 psi)

Recommended Change-Out Differential Pressure:
0.24 MPa (35 psi)



Performance Curves & Selection Chart

Flow Rate vs. Differential Pressure (Per 10" Element with Water at 25°C)



The linear performance curves demonstrate the exceptional porosity and hydro-dynamically balanced fluid flow of the Abso-Max A series across all absolute-rated micron sizes.

Part Number / Selection Configurator

Build your custom Mikropore absolute part number using the matrix below:

Series	Micron Rating	Length	End-Cap Configuration	Seal Material
AMX-A (Absolute)	001 = 0.1 µm	05 = 5"	DOE = Double Open End	S = Silicone
	002 = 0.2 µm	10 = 10"	C2 = 226 / Flat Closed	E = EPDM
	004 = 0.45 µm	20 = 20"	C3 = 222 / Flat Closed	V = Viton
	010 = 1.0 µm	30 = 30"	C7 = 226 / Fin End	N = NBR
	030 = 3.0 µm	40 = 40"	C8 = 222 / Fin End	T = Encapsulated Viton
	050 = 5.0 µm			
	100 = 10 µm			
	200 = 20 µm			
	500 = 50 µm			

Ordering Example: AMX-A-010-20-C7-E (Abso-Max Absolute, 1.0 µm, 20-inch length, 226/Fin adapter, EPDM seals).



REGULATORY COMPLIANCE

Manufactured under strict quality control.
All materials conform to FDA regulations
for food and beverage contact.



TECHNICAL SUPPORT

For verified chemical compatibility
tables, specialized extraction data, or
custom housing integration, please
contact our technical application desk.



COMMERCIAL CONTACTS

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