

Abso-Max N High-Capacity Nominal Rated Pleated Filter Cartridges



Optimized Dirt-Holding
Capacity

Cost-Effective Liquid
Clarification

Heavy-Duty Pre-Filtration



FEATURES

Proprietary Non-Contact Thermal Fusion technology ensures fiber integrity and eliminates contamination from adhesives or binders.



CONSTRUCTION

High Volumetric Flow Matrix with graded-density polypropylene media delivers superior dirt-holding capacity and extended service life.



BENEFITS

- Optimized Dirt-Holding Capacity
- Cost-Effective Liquid Clarification
- Heavy-Duty Pre-Filtration
- Non-Contact Thermal Fusion
- High Volumetric Flow Matrix



PURITY



HIGHER
EXTENDED SERVICE
LIFE



SAFER PROCESSES

ABSO-MAX N

Product Overview

High-Capacity Nominal Rated Pleated Filter Cartridges designed for cost-effective liquid clarification and heavy-duty pre-filtration.

APPLICATIONS

- General process liquid clarification
- Pre-filtration before final filtration stages
- High dirt-loading service
- Industrial water and process liquids

KEY FEATURES

- Nominal rated pleated polypropylene media
- High volumetric flow matrix
- Proprietary non-contact thermal fusion
- Optimized dirt-holding capacity
- Extended service life

CONSTRUCTION

- Pleated polypropylene media
- Thermal-fused construction
- Technical-grade polypropylene components
- Silicone, EPDM, Buna-N, and Viton® seal options

TECHNICAL SPECIFICATIONS

Filter Media	Pleated Polypropylene
Nominal Ratings	1, 5, 10, 20, 25, 50, 75, 100 µm
Outer Diameter	68 mm (2.68 in.)
Lengths	250, 500, 750, 1000 mm
Max. Operating Temperature	82 °C
Max. Operating Pressure	4.0 bar at 25 °C
Flow Direction	Outside-In
Recommended Changeout	At differential pressure of 2.0 bar or as process requires



APPLICATIONS & SPECIFICATIONS

Typical Industrial Applications and Working Characteristics



TYPICAL INDUSTRIAL APPLICATIONS



Reverse Osmosis (RO) Pre-Filtration:

Protecting delicate polyamide desalination membranes from silt, colloidal silica, and micro particles.



Industrial Water Treatment:

Fast clarification of municipal water, industrial process loops, and deionized water pre-treatment stages.



Chemical Processing:

Economical bulk filtration of chemical wash liquids, industrial solvents, plating baths, and technical acids/alkalis.



Coarse Filtration & Pre-Polishing:

Serving as a reliable primary defense upstream of high-precision Abso-Max A or sterile BioSafe systems.



TECHNICAL WORKING CHARACTERISTICS



Maximum Operating Temperature:

82 °C



Maximum Forward Differential Pressure:

0.38 MPa @ 21 °C (55 ps)
0.24 MPa @ 80 °C (35 ps)

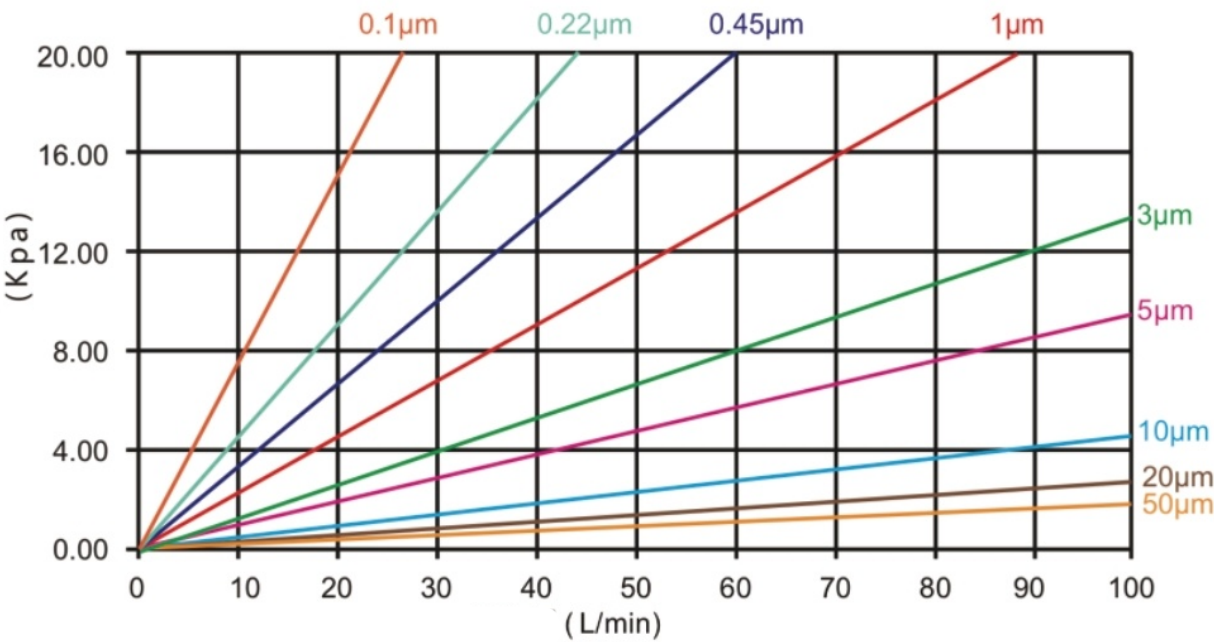


Recommended Change-Out Differential Pressure:

0.20 MPa (30 ps)

PERFORMANCE CURVES & SELECTION CHART

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



The rich internal pore channels enable deep fluid penetration, maintaining exceptionally low initial differential pressures and highly stable flow curves across all nominal micron configurations.

PART NUMBER / SELECTION CONFIGURATOR

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

Series	Micron Rating	Length	End-Cap Configuration	Seal Material
AMX-N (Nominal)	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			

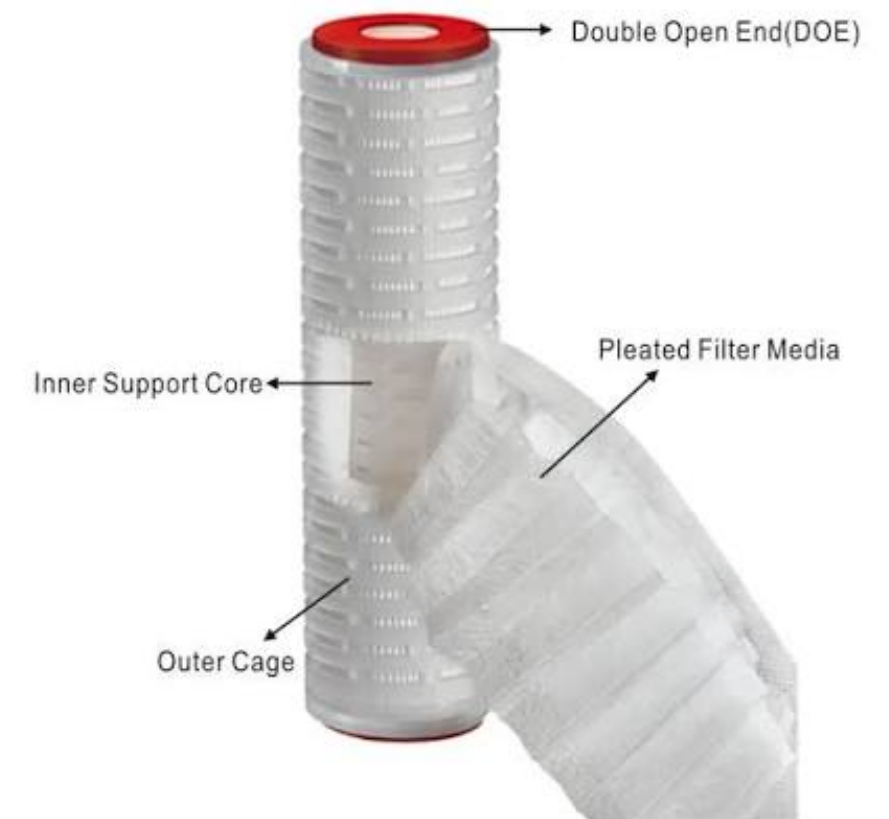
ORDERING EXAMPLE

AMX-N-050-10-DOE-S (Abso-Max Nominal, 5.0 µm, 10-inch length, Double Open End adapter, Silicone seals).

REGULATORY COMPLIANCE

Manufactured under a strict quality management system.
Materials meet FDA requirements for food and beverage contact.

For verified engineering data, housing sizing guidelines,
or customized length options, please consult our
technical application desk.



COMMERCIAL CONTACTS

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