

AdvanLife® FILTER CARTRIDGES

PES MEMBRANE FILTERS DESIGNED FOR PRE-FILTRATION AND FINAL FILTRATION

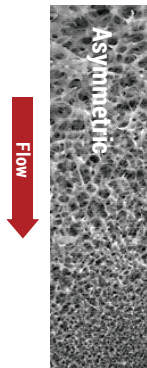
AdvanLife® Filter Cartridges feature a unique single-layer asymmetric hydrophilic polyethersulfone membrane. They are designed for filtration of aqueous liquids, including inks and high purity chemicals. The filter's membrane is characterized by high particle holding capacity, high flow rate, high efficiency and longer lifetime.

AdvanLife® Filter Cartridges can be used as the final filter for effective particle removal, are constructed of highly-asymmetric PES membrane, and are widely used for DI and high-purity water filtration applications. Its features include low ion release and good conductivity recover capability to save inline flushing time. In addition, it provides efficient particle removal to ensure the quality of pure water.

FEATURE

BENEFIT

Asymmetric PES membrane



Highly asymmetric polyethersulfone membrane allows for a high particle holding capacity and longer service life - more than 3x the lifetime of similar products.

Finest removal rating can be 0.03 microns (30 nm)

Provides broad chemical compatibility (pH 1-13); excellent compatibility with dye-based ink chemistries

HA Series: For longer life/cost effective

FJ Series: Higher retention and cleanliness

Low ion release

Quality Assurance

These products are manufactured in a facility which adheres to ISO 9001:2015 Practices. 100% Integrity tested and Lot traceable.

Particle Shedding

Non-fiber releasing. Autoclaved filter effluent meets the requirements in USP <788>

Non-Fiber Releasing

Component materials meet the criteria for a "Non-fiber-releasing filter" as defined in 21 CFR 210.3 (b) (6)

SPECIFICATIONS

Filter media

Asymmetric PES membrane (single layer)

Supports/core/cage/end caps

Polypropylene

Effective filtration area

0.66m² (7.1 ft²)/ Ø69-10 inch

O-rings

Silicone, EPDM, FKM, FEP/PFA encapsulated FKM

Cartridge diameter

69 mm (2.7 in.)

Max. Operating temperature

80°C

Max. Differential pressure

0.40 MPa (4.0 bar, 58 psi) at 21°C;
0.21 MPa (2.1 bar, 35 psi) at 80°C

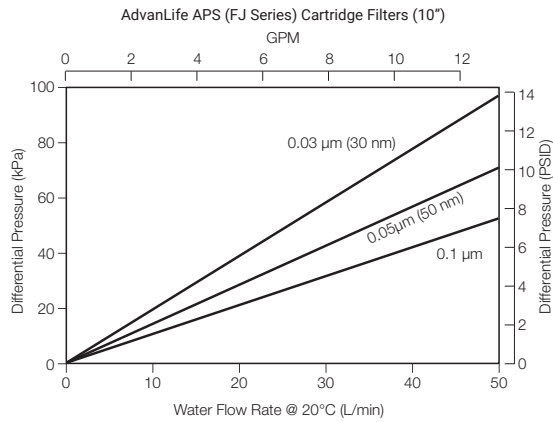
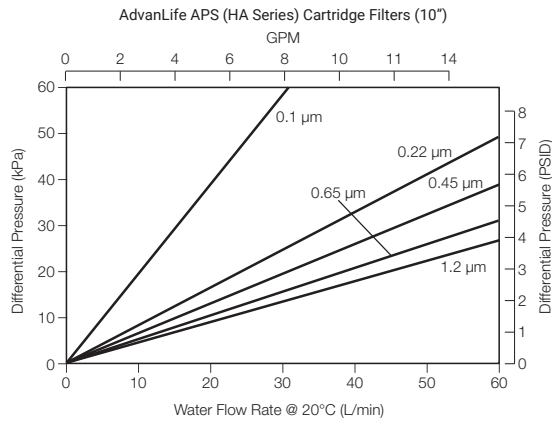


Typical Applications

Pre and Final Filtration of:

- Chemicals
- Ink Jet Inks
- Process Water

FLOW RATES



ORDERING INFORMATION

EXAMPLE: **APS HA0010TC10E-C** = PES membrane, HA Series, 0.1 µm, 222/Flat, 10" filter with EPDM seals, chemical application

APS



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Nominal Length

05 = 5"
10 = 10"
20 = 20"
30 = 30"
40 = 40"

Connection

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

Seal Material

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

Application

C = Chemical

Removal Rating

HA Series (Longer Life/Cost Efficient)

HA0005 = 0.05 µm (50 nm)
HA0010 = 0.1 µm
HA0022 = 0.22 µm
HA0045 = 0.45 µm
HA0065 = 0.65 µm
HA0080 = 0.8 µm
HA0120 = 1.2 µm

FJ Series (Higher Retention & Cleanliness)

FJ0003 = 0.03 µm (30 nm)
FJ0005 = 0.05 µm (50 nm)
FJ0008 = 0.08 µm (80 nm)
FJ0010 = 0.1 µm
FJ0020 = 0.20 µm
FJ0045 = 0.45 µm

CPPS Series (Higher Pore Size)

CPPS050 = 5 µm



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