

AstroPore Fujifilm Micro Filter

FL Cartridge XL Type

(with polytetrafluoroethylene (PTFE) membrane)



- A high-flow version of PTFE membrane filter cartridges
- Ideal for chemicals including acids and alkalis as well as solvents due to excellent chemical resistance

Now available: A high-flow type PTFE membrane filter with outstanding performance in particle removal from acids, alkalis and other chemicals

Major Applications

Filtration of acids, alkalis and other chemicals in electronic and chemical industry

Specific Features

1. High flow rates

Designed for flow rates of more than 200 L/min (for 1-m pore size at P = 0.02 MPa).

2. Long service life

Optimized design extending service life

3. Enhanced safety

The chemical-resistant PTFE membrane combined with the polypropylene support ensures safe handling of a variety of substances.

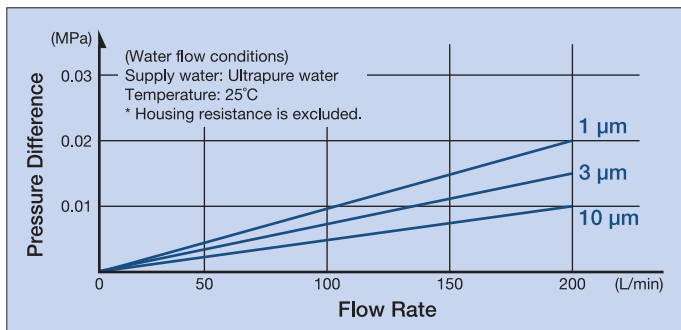
4. Lineup

Optimum combinations for specific applications possible from among the hydrophilic and hydrophobic membranes with pore sizes of 1, 3 and 10 m

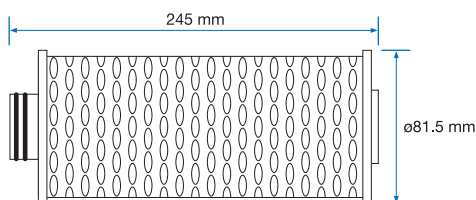
5. Robust construction

The proven casing design for the PSE-XL type with a sufficient strength

Flow Rate Characteristics



Size



Product Codes

F	L	□	C	P	M	□	X	L	N	S	P	P	C	V	W	□
Membrane type			Pore size				Package unit									
None	Hydrophobic	100	1 µm	1	1 Unit											
W	Hydrophilic	300	3 µm	12	12 Units											
		1000	10 µm													

Table of Performance Characteristics

Item	Unit	Performance		
Pore size	µm	1	3	10
Size	Length	245		
	Outer diameter	81.5		
Max. differential pressure (under positive pressure)	25°C MPa	0.34		

[Materials]

Name of part	Material
Membrane filter	PTFE (hydrophobic) PTFE (hydrophilic)
Support	Polypropylene
Body	Polypropylene
O-ring*	Teflon-encapsulated Viton (standard)

* "O" ring size: AS568-226

Chemical Resistance

We recommend that you test your cartridge under your operation conditions.

Classification	Chemicals	Compatibility
Hydrocarbons	Benzene	○
	Gasoline	○
	n-Hexane	○
	Toluene	○
	Xylene	○
Halogenated Hydrocarbons	Methylene chloride	○
	Perchloroethylene	○
	Trichloroethane	○
	Trichloroethylene	×
Alcohol	Butanol	○
	Ethanol 98%	○
	Isopropanol	○
	Methanol 98%	○
Ketones	Acetone	○
	Cyclohexane	○
	Methylethylketone	○
Esters	Butyl acetate	○
	Ethyl acetate	○
	Methyl acetate	○
Acids	Acetic acid 25%	○
	Acetic acid 99.8%	○
	Silicon hexafluoride 50%	△
	Hydrochloric acid 50%	○
	Hydrochloric acid 37%	○
	Hydrofluoric acid 25%	○
	Hydrofluoric acid 50%	○
	Nitric acid 25%	○
	Nitric acid 70%	△
	Perchloric acid 25%	○
	Phosphoric acid 25%	○
	Phosphoric acid 85%	○
	Sulfuric acid 25%	△
	Sulfuric acid 98%	△
Alkalis	Ammonium hydroxide 30%	○
Aqueous Solutions	Hydrogen peroxide 30%	○
	Sodium hypochlorite	○
Others	Ethyl cellsolve	○

○ — Compatible

△ — Check compatibility before use, as swelling, etc., may be resulted.

× — Incompatible