

Description

The Fluorodyne filter has been developed to meet the stringent requirements of today's high purity DI water applications.

Rated 0.2µm, 0.1µm and 40nm, Fluorodyne filters offer ready wettability and broad chemical compatibility. All Fluorodyne filters are constructed of a unique modified PVDF membrane, providing superior bacteria and particle removal efficiency in demanding environments.

Features & Benefits

- Excellent particle removal efficiency
- Three removal ratings available
- Many configurations
- Manufactured in a cleanroom environment
- No pretreatment required
- 100% integrity tested



Materials

Components	Materials
Filter Medium	Hydrophilic PVDF
Support and Drainage	Polypropylene
Core and Cage	Polypropylene
End Caps	Polypropylene
O-ring Options	Acid-proof Fluoroelastomer, EPDM Silicone, FEP Encapsulated Fluoroelastomer
Sealing Methods	Melt seal

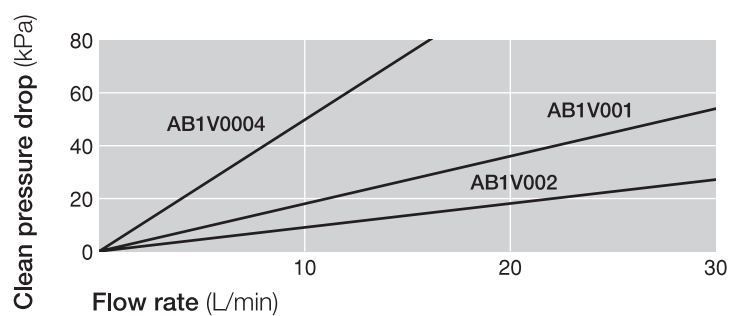
Specifications

Removal Ratings	0.2 µm, 0.1 µm, 40 nm
Maximum Operating Temperature	70 °C ¹ / 158 °F
Maximum Forward Differential Pressure	0.55 MPa @ 50 °C / 80 psid @ 122 °F 0.34 MPa @ 70 °C / 50 psid @ 158 °F

¹ Only for deoxygenated water systems and for aqueous liquids not containing alkalis.

Nominal Length	254 mm / 10 in	508 mm / 20 in	762 mm / 30 in	1016 mm / 40 in
Nominal Filter Areas	0.7 m ² / 7 ft ²	1.3 m ² / 14 ft ²	2.0 m ² / 21 ft ²	2.6 m ² / 28 ft ²

Typical Flow Characteristics – 1 cP fluid, 20 °C



Part Numbers / Ordering Information

AB 1 V 2 3 EY 4

Table 1

Code	Nominal Cartridge Length
1	254 mm / 10 in
2	508 mm / 20 in
3	762 mm / 30 in
4	1016 mm / 40 in

Table 2

Code	Removal Ratings
002	0.2 µm
001	0.1 µm
0004	40 nm

Table 3

Code	O-ring Specifications	Features
3	AS568A-222	222 double O-ring Flat End
7	AS568A-226	226 double O-ring Bayonet lock / finned end
8	AS568A-222	222 double O-ring Finned End

Table 4

Code	O-ring Materials
H1	FEP Encapsulated Fluoroelastomer
H4	Silicone
HF	Acid-proof Fluoroelastomer
J	EPDM

Representative example part numbers

AB1V0023EYH4	AB1V0013EYH4	AB1V00043EYH4
AB2V0023EYH4	AB2V0013EYH4	AB2V00043EYH4
AB2V0028EYH4	AB2V0018EYH4	AB2V00048EYH4
AB3V0027EYH4	AB3V0017EYH4	AB3V00047EYH4
AB3V0028EYH4	AB3V0018EYH4	AB3V00048EYH4
		AB4V00048EYH4