

MICRO-PURE Filter Cartridge

MPH Type

(Polypropylene Media)

MICRO-PURE Filter Cartridge MPH type is a pleated filter for high-viscosity fluid filtration designed to enable stable filtration of high-viscosity fluids and fluids with high solid content, in addition to the achievement of high removal efficiency and low pressure drop.

Since a great deal of flow can be obtained with a small number of filter cartridges, it is possible to reduce housing size, contributing to initial housing cost reduction and a decrease in the quantity of filters used.

Features

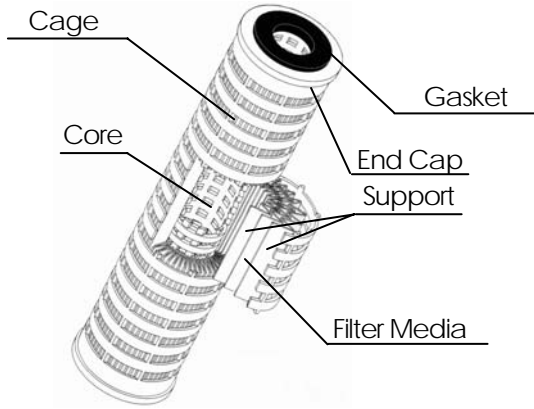
- Ultra fine polypropylene fiber nonwoven media is used as a main media, and this provides the high porosity of the media, achieving not only high removal efficiency but also high flow rate.
- Since the main media is reinforced with a strong net media (polyethylene), stable filtration is provided even under high differential pressure.
- It is possible to secure an effective flow route by setting best-balanced pitches of the pleated media. High-viscosity fluids and fluids with high solid content can be filtered with low pressure drop.
- Free from binders and surfactant, there is no concern about extractables.
- This filter cartridge, composed of parts completely made of polypropylene and polyethylene, shows good chemical compatibility and can be used for filtration of various fluids.

Major Applications

- Filtration of metal pastes
- Filtration of glass pastes
- Filtration of slurry with high solid content
- Filtration of various high viscosity fluids

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Materials of Construction



Ordering Information

250	L-MPH-	012	E	F	B
Nominal Length	Product Type	Micron Rating	Gasket / O-Ring	End Cap Code	Packaging Code
125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		006 = 0.6 μm 100 = 10 μm 012 = 1.2 μm 150 = 15 μm 025 = 2.5 μm 200 = 20 μm 045 = 4.5 μm 300 = 30 μm 050 = 5.0 μm 400 = 40 μm	S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) PTFE (for F)	F = D.O.E. 0 = 2-222 O-Ring 5 = 2-222 O-Ring+Fin 7 = 2-226 O-Ring+Fin	B = 6pcs C = 10pcs F = 25pcs

Specifications

Product Type	MPH										
Grade	006	012	025	045	050	100	150	200	300	400	
Micron Rating (μm)	0.6	1.2	2.5	4.5	5.0	10	15	20	30	40	
E.F.A. (m ³ /250L)	0.23										
Dimensions	Length (mm)	125 / 250 / 500 / 750									
	O.D. (mm)	70.0									
	I. D. (mm)	26.1 (for F) / 25.6 (for 0, 5) / 30.0(for 7)									
Materials	Media	Polypropylene									
	Support	Polyethylene									
	Core	Polypropylene									
	Cage	Polypropylene									
	End Cap	Polypropylene									
Gasket /O-Ring	NBR / EPDM / Silicone / FKM FEP Encapsulated FKM(for 0, 5, 7) / PTFE(for F)										
ΔP (MPa)at20°C	0.49										
Operating Temp. (°C)	80										
Adaptable Food Sanitation Standard	FDA 21CFR / Ministry of Health, Labor and Welfare, Notice370										



All the filter cartridges are set in the polypropylene capsules

These products are manufactured under control by the quality management system registered as conforming to the ISO9001 Standard.



ISO9001 : 2000 QMS Accreditation
REG. No. JSAQ1436 R001
Scope: Manufacture of Filter Cartridges

※If you need further information on specifications(length, end cap type, etc.), please contact us.

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