

FILTER CARTRIDGES OVERVIEW



Filter Cartridges

PP SERIES PLEATED FILTER CARTRIDGE (PPMC)



Connector/End Cap Configuration



Ordering Information

Series	Length	Retention Ratings	End Fitting Options	Seal Rings	Supporting Cores
PPMC: PP series pleated filter cartridge	05: 05 inch	0004: 0.04μm	A: DOE	B: NBR/BUNA-N	C: with core
O-PTMC: OPTFE series pleated filter cartridge	10: 10 inch	0010: 0.1μm	B: 222 flat	E: EPDM	N: no core
I-PTMC: IPTFE series pleated filter cartridge	20: 20 inch	0022: 0.22μm	C: 222 fin	FV/FS: FEP+V/FEP+S	
ATMC: PFA series pleated filter cartridge	30: 30 inch	0045: 0.45μm	D: 226 flat	S: Silicone	
PESMC: PES series pleated filter cartridge	40: 40 inch	0100: 01μm	E: 226 fin	V:Viton	
NY66MC: Nylon 66 series pleated filter cartridge		0300: 03μm			
GFMC: Glass Fiber series pleated filter cartridge		0500: 05μm			
83HF: PP, PTFE, PES series pleated filter cartridge		1000: 10μm			
130SHF: PP, PTFE, PES series pleated filter cartridge					

Web: <https://filtercarridgetech.com>

Product Description

Gradient Aperture Structure

PPMC series pleated filter cartridge is made of asymmetric gradient aperture polypropylene filter membrane, through advanced hot melt sealing technology under the associated controlled clean environment, without any adhesives or surfactants.

It features extensive chemical compatibility, high flow rate, low pressure drop, economical and environment-friendly.

PPMC series is optimized for the wide range of acid, alkali, salt and other corrosive liquid filtration, pharmaceutical industry, food and beverage industry, petrochemical engineering, electronic chemicals, etc.

Features

- Extensive chemical compatibility
- 100% polypropylene structure material, without any adhesives and surfactants
- Gradual aperture structure filter membrane ensures an efficient pre-filtration
- High flow rate, high dirt load, low pressure drop, and long service life.

Technical Data

Product code	Retention ratings (μm)	Filter area (m ²)	Length (inch)	Diameter (mm)	Max. operating temp (°C)
PPMC	0.1, 0.22, 0.45, 1, 5, 10, 25, 50, 100	0.65	5" 10" 20" 30" 40"	2.75"-69	80
Max. differential pressure	Sterilization method (°C / 30min)		Typical flow rate (m ³ /h)		
Positive: 0.4MPa / 25°C Negative: 0.2MPa / 25°C	Steam sterilization: 121 Flowing-water sterilization: 85		0.5		

Application

- Food and beverage
- Electronic chemicals
- Pharmaceutical
- Acid, alkali, salt, and other corrosive liquid
- Petrochemical engineering

Structural Material

Filter medium	PP
Support	PP
Core/ Cage	PP
End cap	PP
Connection	DOE, 222-Flat, 226-Flat, 222-Fin, 226-Fin, 222-Fin(304BI), 226-Fin(304BI)
Seal rings options	BUNA, EPDM, Silicon, Viton

Flow Rate Characteristics

