

PLEATED FILTER CARTRIDGES



Product Description

Gradient Aperture Structure

PP pleated filter cartridges are a widely used type of filtration media, particularly in industrial and commercial applications. They are known for their efficiency in removing suspended solids and other contaminants from liquids.


Construction and Working Principle


Pleated Design: The filter media is pleated, which significantly increases the surface area available for filtration. This allows for higher flow rates and greater dirt-holding capacity. Polypropylene


Material: The cartridges are made of polypropylene, a durable and chemically resistant thermoplastic. This makes them suitable for a wide range of applications, including those involving aggressive chemicals. Filtration


Process: As the liquid passes through the pleated media, the suspended particles are trapped within the fibers, while the clean liquid flows through.

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(304B), 226-Fin(304B)
Seal rings options	BUNA, EPDM, Silicon, Viton

Flow Rate Characteristics

