

# PTFE SERIES PLEATED FILTER CARTRIDGES



## Product Description

### Excellent Hydrophobic Performan

PTFE pleated filter cartridges are a high-performance filtration solution designed for critical applications where sterility and chemical compatibility are paramount. These cartridges are commonly used in the pharmaceutical, biotechnology, and other industries that require the highest level of product purity and safety.

## Application



Food and  
beverage



Electronic  
chemicals



Chemical



Pharmaceutical



Ultra-pure  
water



Nitrogen,  
argon and  
other gas



Acid, alkali, salt,  
and other  
corrosive liquid

## Features



Excellent high temp. resistance and  
extensive chemical compatibility



Natural strong hydrophobic structure,  
applicable for the absolute  
gas sterilization and filtration



Excellent particle capture  
performance, particle interception  
efficiency is up to 99.99%



High flux, low extractables, low pressure  
drop, and long service life



Passed the bacterial challenge test,  
LRV>7.



The limitations of integrity were  
correlated with the results of bacterial  
challenge testing

## Structural Material

Filter medium	PTFE
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

## Technical Data

Product code	Retention ratings (μm)	Filter area (m²)	Length (inch)	Diameter (mm)	Max. operating temp (°C)
OPTMC	0.1, 0.22, 0.45,	0.65	5" 10" 20" 30" 40"	2.75"-69"	80
Max. differential pressure		Sterilization method (°C/h)		Typical flow rate (Nm³/h)	
Positive: 0.4MPa/25°C Negative: 0.2MPa/25°C		121°C/100h 140°C/40h		0.1μm: ≥ 180 0.22μm: ≥ 330 0.45μm: ≥ 400 Remark: P=0.2MPa, ΔP=0.01MPa, 10°, 20°C	

## Flow Rate Characteristics

