

HixPleat® PTFE

HixPleat® PTFE cartridges are filters with a pleated PTFE membrane of testable integrity, specially developed for bacterial retention in non-polar gases and liquids in the pharmaceutical, veterinary, biotechnology and food industries. They are characterized by a hydrophobic PTFE membrane that offers high flow rates, low levels of extractables, high mechanical resistance and superior microbiological safety.

Features

- Ample chemical compatibility
- Low extractables
- High flow rates
- Testable integrity
- High mechanical resistance



Quality

Cartridges produced in a controlled environment
Manufactured according to the ISO9001 Quality Management system
The filter complies with the norms and regulations of materials approved to be in contact with food

Specifications

Materials

Membrane: Polypropylene (PP)
Support and drainage: Polypropylene (PP)
O-rings: Silicone, EPDM or Viton
Sealing technology: Thermal bonding, without adhesives
Core & Housing: Polypropylene (PP)

Retention, µm

0.2

Dimensions

Diameter: Ø 68mm / Length: 10", 20", 30"

Filtering Area

10"	6.7 ft²	0.62 m²
20"	13.4 ft²	1.24 m²
30"	20.4 ft²	1.86 m²

Adapter

Double O-Ring 226 Lock (S7) & Double Open End (DOE)

Working Characteristics

Max. Working Pressures and Temperatures

Δp 5.5bar @ 0-38°C
Δp 4.1bar @ 66°C
Δp 1.5bar, 2.1bar @ 82°C

Integrity Test (at 23°C)*

Bubble Point	≥1200 mbar
Diffusive Flow	≤7 ml/min/10" @ 0.7 bar
WIT	≤3 ml/min/10" @ 2.5 bar

(*) For every 10" of cartridge
Wetting IPA/H₂O 60/40

Sterilization

In-line steam sterilization: min. 25 cycles at 134°C, 20 min., max. differential pressure 0.5 bar | 7 psi

Bacterial Endotoxins

0.25 EU/ml determined by LAL test.

Bacterial Retention

0.2µm > 107 CFU/cm² *Brevundimonas diminuta*.

Ordering Information

Name	Filter Media	Type	Pore Size	Length	Adapter
HP	PTO	A	02	10	S7
HP	PTO	A	02	10	S7
				20	DOE
				30	
				10"	
				20"	
				30"	
					Double O-ring 226 Lock
					Double Open End