

Hall Pyke



Membrane Filtration

SteriPS

The SMART choice for filtration

SteriPS® Filter Cartridges

PES Membrane · Sterile Liquid Filter

SteriPS® Filter Cartridges are specially designed to provide a reliable sterilizing solution at an economical cost. Hydrophilic PES membrane cartridges require no pre-wetting and are ready to use. In addition, these filters provide excellent performance in pharmaceutical applications.

Features and Benefits

- Low diffusion flow
- Inherently hydrophilic PES membrane
- High surface area provides excellent flow rates and extended service life while maintaining high bacteria removal efficiency
- Low protein binding

Quality Standards

- Integrity Test correlates to ASTM F838-05 Bacterial Challenge Test (BCT)
- Each filter is individually Integrity Tested prior to leaving the factory
- Each filter is Fully Traceable with a unique serial number
- Designed, developed and manufactured in compliance with ISO9001
- Full Regulatory Compliance with the following:
 - 21CFR.210.3(b)(5)(6), 211.72 for Non-Fiber Release
 - Endotoxins: <0.25EU/ml/10inch filter
 - USP <88> Plastic Class VI-121°C
 - FDA 21 CFR177-182 & EU 1935/2004/EC

Typical Applications

- Antibiotics
- LVP & SVP
- Large Batch Solutions
- Cleaning & Disinfecting Liquids



Sterile Filtration

Bio-burden Reduction

Pre-Filtration

All-Fluorine Filters

Capsule Filters

Materials of Construction

Filter Media	PES Membrane
Cage/Support	Polypropylene
Core/End Caps	Polypropylene

Operating Conditions

Maximum Temperature	90°C
Max. Differential Pressure	4.0bar / 21°C (forward) 2.4bar / 90°C (forward)
Effective Filtration Area	0.58m ² / Ø 68-10 inch

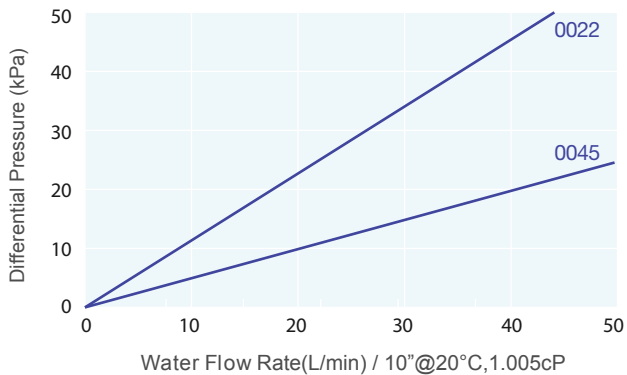
Sterilization

Inline Steam Sterilization	up to 30 cycles (135°C for 30min@30kPa per cycle)
Autoclave	up to 30 cycles (130°C for 30min per cycle)

Integrity Test Data

Bubble Point	BP : ≥ 0.32 MPa (water), 0.22 µm BP : ≥ 0.20 MPa(water), 0.45 µm
Diffusion Flow	DF : ≤ 25 ml/min/10" @ 0.275 Mpa, 0.22 µm DF : ≤ 25 ml/min/10" @ 0.15 Mpa, 0.45 µm

Flow Rate Characteristics



Ordering Information

SPSHR	Removal Ratings	End Cap	Nominal Length	Seal Material	-P
	0010 =0.1µm	HSF=226 /Fin (PBT Insert)	05=5"	S=Silicone	
	0022 =0.22µm	HSC=226 /Flat (PBT Insert)	10=10"	E=EPDM	
	0045 =0.45µm	HTF=222 /Fin (PBT Insert)	20=20"	V=Viton	
		HTC=222 /Flat (PBT Insert)	30=30"		
		DOE=Double Open End	40=40"		

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