

Hall Pyke



Capsule Filtration

Brisip

The SMART choice for filtration

Brisip™ SP3 Capsule Filter

Hydrophobic PTFE Membrane · Sterile Gas Filter



Brisip™ SP3 Capsule Filter with Cobetter Aegivast™ AFL Membrane is designed for use in sterile air and gas filtration in biopharmaceutical applications. Composed of a hydrophobic PTFE membrane and polyetherimide housing, these capsule filters provide an alternative to filter and stainless steel housing combination and thus reduce operating costs and maintenance time. Polyetherimide housing allows for multiple SIP (steam-in-place) cycles at high pressures and temperatures.

Features and Benefits

- Integrity Tested with WIT (Water Intrusion Test)
- Low operating cost when compared to filter and stainless steel housing components
- Steam sterilizable with long service life
- Able to operate at high pressures with temperatures up to 40°C

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
- Each filter is supplied with Certificate of Analysis
- Validation Guide available upon request
- 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

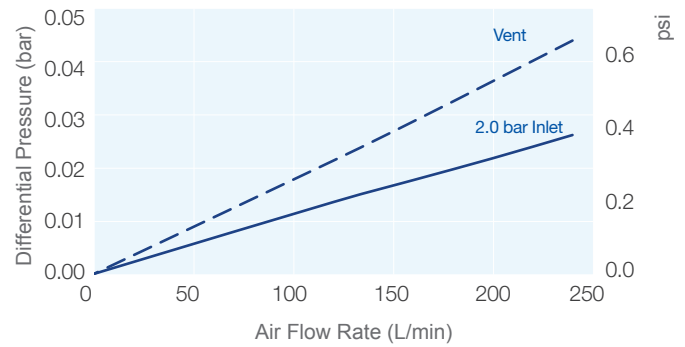


Steam-in-place Capsule Filter

Materials of Construction

Filter Media	Hydrophobic PTFE
Removal Rating	0.2µm
Support	Polypropylene
Cage/Core/End Caps	Polypropylene
Capsule Housing	Polyetherimide
Outlet Internal Support Ring	Stainless Steel
O-rings	Silicone
Overall Length	159.0 mm (6.26 in.)
Body Diameter	81.0 mm (3.19 in.)

Air Flow Rate Characteristics



Operating Conditions

Max. Pressure	5.5 bar (80 psi) at 25 °C 1.0 bar (15 psi) at 80 °C	
Max. Differential Pressure	Forward 5.5 bar (80 psi) at 25 °C 1.0 bar (15 psi) at 80 °C	Reverse 2.1 bar (30 psi) at 25 °C
Effective Filtration Area	0.2 m ² (2.2 ft ²)	

Sterilization

Steam in Place	Can be steam sterilized 10 cycles of 30 minutes at 142 °C
Autoclave	50 cycles of 30 minutes at 131 °C

Integrity Test Data

Bubble Point	BP : ≥ 1.1 bar 16 psig in 60% isopropanol (IPA) 40% water, Air
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Ordering Information

SP3	Inlet & Outlet	Membrane	Sterilization	Quantity/Package	-P
	SS - 38 mm (1 1/2") Sanitary Flange	AFLB - Cobetter Aegivast™ AFL 0.2 µm	P - Steam in Place	1 - 1 / pkg.	

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