



FilterSip

Sterile Gas SIP capable / PTFE Filter Capsule

FilterSip Capsule Filter is designed for use in sterile air and gas filtration in biopharmaceutical and other applications. Composed of a hydrophobic PTFE membrane and a polyetherimide housing, these capsule filters provide an alternative to a stainless steel housing/filter combination and thus reduces operating costs and maintenance time. Engineered polyetherimide material allows multiple SIP (steam-in-place) cycles at high pressures and temperatures.

Features and Benefits

- In situ Integrity testable WIT
- Low investment cost compared to standard filter and stainless steel housing systems.
- Steam sterilizable with long service life
- Able to operate at high gas pressures up to 5,5 bar

Applications

- Fermenter venting
- Venting
- Sterile air supply
- Wort aeration
- Fermentation

swissfilter

Filter- und Desinfektionstechnik

Technisches Datenblatt

Material of Construction

Filter Media: Hydrophobic PTFE Membrane
 Removal Rating: 0,2µm
 Support: Polypropylene
 Cage/Core/End Caps : Polypropylene

 Outlet Internal Support Ring : Stainless Steel

 O- Rings : Silicone
 Overall Length : 159,0 mm
 Body Diameter : 81,00 mm

Operating Characteristics

Maximum Pressure 5,5 bar (25°C)
 1,0 bar (80°C)

 Max. Differential pressure Forward: 5,5 bar (25°C)
 1,0 bar (80°C)
 Reverse: 2,1 bar (25°C)
 Effective Filtration Area: 0,2 m²

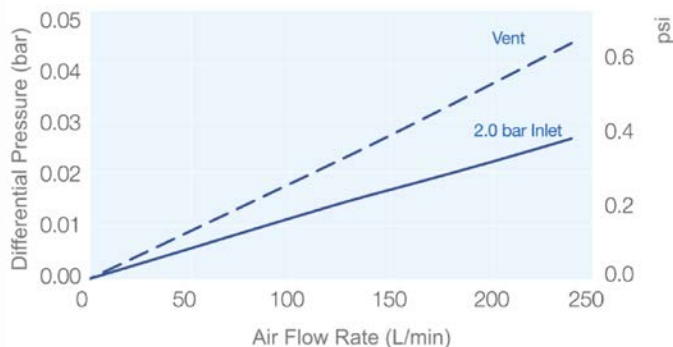
 Steam in Place: 142°C/30min
 up to 10 cycles

 Autoclave: 131°C/30min
 up to 50 cycles

Biological Safety

Comply with the relevant requirements of EU 1935/2004 and EU directive 10/2011
 Comply with USP Plastics
 Class VI - 121 °C and ISO10993 equivalents

Air Flow Rate Characteristics



Integrity Test Data (25°C)

Bubble Point IPA/water 60/40 [bar] [psi]		Water intrusion test pressure [bar] [psi]		Water flow [µl/10min]
≥1,1	≥11,6	2,5	36,2	≤1.150

Ordering Information

MS- - -

Code	Membrane	Code	Removal rating	Code	length		Code	vent/drain
					mm	inch		
T	PTFE	002	0,2µm	06	160	6,2	H S T	Hose barb Stäubli/hose barb Stäubli nipple