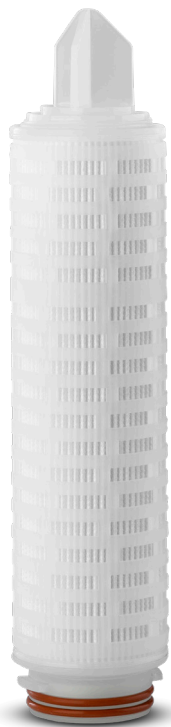




SMT-H sterilizing grade PTFE membrane filters

Absolute filtration of critical liquids in food, pharmaceutical and industrial applications

SMT-H filters provide extremely reliable and safe microbiological reduction in critical applications. It has an extended service life thanks to its outstanding dirt holding capacity and durable materials. Its filter media consist of a pleated single layer inherent hydrophilic PTFE membrane with PPS support layers integrated into a robust cage with reinforced core and end cap, making it suitable for nearly all operation, service and cleaning conditions.



Key Features

- High flow and low pressure drop
- Wide chemical compatibility
- Inherently hydrophilic
- Reinforced end cap

Applications

- Corrosive liquid sterilization
- Sterilization of ozonated water
- High temperature water filtration

Quality first

- Manufacturing acc. ISO 9001 in a controlled environment
- Comply with EU Regulation No. 1935/2004
- Materials used meet FDA title 21 and USP Class VI
- 100% integrity tested (WIT)
- Full traceability

Protecting process, products and people

Atlas Copco's process filters optimize your productivity while protecting your process, product and consumers. Our portfolio of cartridges and housings covers all your filtration needs. The products are made from proven, high quality materials from reputable suppliers and manufactured in a controlled environment subjected to strict QA/QC procedures.

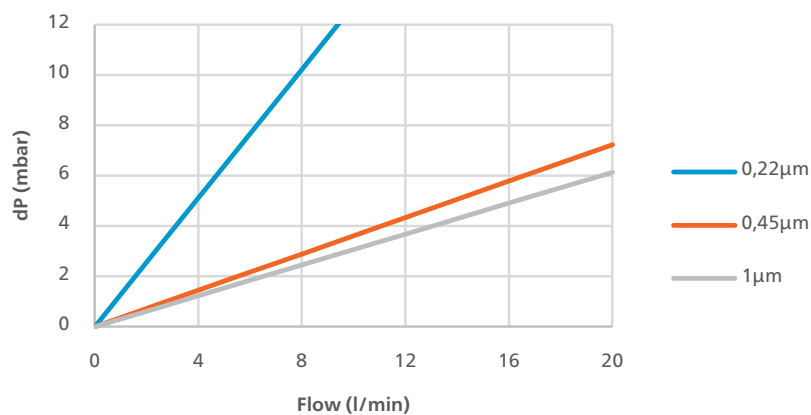


Technical specifications

Materials of construction	
Filter media	Hydrophilic polytetrafluoroethylene membrane
Support	Polyphenylenesulphide (PPS)
Core/Cage	Polypropylene/Polyphenylenesulphide (PPS)
End caps	Polypropylene + reinforcement
Dimensions	
Diameter	2.72"
Typical surface area	8.07 ft ² (2.72" - 10")
Integrity testing	
Bubble point	> 46 PSI, 0.22 μm
Operating conditions	
Max. temperature	212°F
Max. differential pressure forward flow	58 PSI @ 70°F / 35 PSI @ 194°F
Recommended change out differential pressure	36 PSI
Pre-wetting procedure	Soak in purified water @ 86°F for 2 hours
SIP/CIP	
Steam sterilization	≤ 100 cycles @ 293°F for 2 hours @ dP 4 PSI
Cleaning solution	2% NaOH @ < 149°F

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Flow rate



Note: 10" cartridge tested with IPA @ 70°F (typical flow rate)

Product configuration

Series	Rating	Length	End cap	Seal
SMT-H	0.05 μm	5"	C2 = 2 x 226 O-ring + 2 tabs/Flat	S = Silicone
	0.1 μm	10"	C3 = 2 x 222 O-ring/Flat	E = EPDM
	0.22 μm	20"	C7 = 2 x 226 O-ring + 2 tabs/Fin	V = Viton
	0.45 μm	30"	C8 = 2 x 222 O-ring/Fin	
	1 μm	40"	C28 = 2 x 222 O-ring + 3 tabs/Fin	
	5 μm		DOE = Flat + gasket/Flat + gasket	

Example: SMT-H 0.45 μm 5" C28 E

