



STH Series Hydrophobic PTFE filter cartridges are constructed of hydrophobic PTFE membrane and polypropylene supports to provide the greatest assurance of filtration performance and chemical compatibility in severe process conditions. The highly porous PTFE membrane offers high flow rates and long service life.

Features

- PTFE and polypropylene components provide extremely wide chemical compatibility
- Contains no binders or adhesives for wide solvent compatibility with extremely low extractables
- Fully integrity testable for assured product integrity and effectiveness in operation
- 100% integrity testing during manufacture guarantees product reliability and consistency

Quality

- Manufactured in a clean room environment
- Manufactured according to ISO9001:2015 certified Quality Management System
- 100% Integrity Tested

Dimension

Outer Diameter	69mm
Length	5", 10", 20", 30", 40"

Material of Constructions

Media	PTFE
Support	PP
Hardware	PP
Seal Material Options	Silicone, EPDM, NBR, FKM, E-FKM

Performance

Max Operating Temperature	80° C (176° F)
Max Operating DP	4 bar (58 psi) @ 20°C (68°F) 2 bar (29 psi) @ 120°C (248°F)
SIP	125°C (275° F), 30min, 30 Cycles

Applications

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| <ul style="list-style-type: none"> • Pharmaceutical <ul style="list-style-type: none"> @Vents @Filtration of Compressed Gases @Filtration of Solvents • Food and Beverage <ul style="list-style-type: none"> @Sterile Venting of Holding Tanks @Sterile CO₂ Filtration @Microbial Control of Inlet @Air for Bioprocessing of Foods | <ul style="list-style-type: none"> • Process Gases <ul style="list-style-type: none"> @Bulk and Point-of-Use Gases @Compressed Air • Chemicals <ul style="list-style-type: none"> @ Solvents @Bulk Filling @Acids |
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Ordering Information

STH	0010	F	5	S	P	
Removal Rating	End Cap Type		Length	Seal Material	Core	
0002 = 0.02 μm	F = DOE	K = 222 (SS Insert) / Fin	5 = 5"	S = Silicone	P = PP	
0003=0.03μm	M = 222 / Flat	R = 226 (SS Insert) / Fin	10 = 10"	E = EPDM	S = SUS	
0005=0.05μm	T = 226 / Flat	V = 226 (SS Insert) / Flat	20 = 20"	B = NBR		
0010=0.1μm	P = 222 / Fin	J = 222 (SS Insert) / Flat	30 = 30"	V = FKM		
0022=0.22μm	Q = 226 / Fin	G = 226 (PSU Insert) / Fin	40 = 40"	F = E-FKM		
0045=0.45μm	H = 213 / Flat	I = 226 (PSU Insert) / Flat				
0100 = 1μm	E = 222 Extended / Fin	X = 222 (SS Insert) / Spear Fin				
0500 = 5μm	N = 222 Extended / Flat	Y = 226 Spear Fin				
1000 = 10μm	W = 222 Spear Fin	Z = 226 (SS Insert) / Spear Fin				

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required.

