

Savana® PTFE Liquid Filters

Constructed with PTFE membrane and PP supports for enhanced durability and cleanliness

OVERVIEW

Savana® PTFE filters are designed for filtration of process fluids used in the microelectronics industry. Constructed of PTFE pleated membranes with polypropylene (PP) supports, these filters provide unmatched durability and cleanliness in point-of-tool and dispense applications involving solvents, DI water, and dilute acids and bases.

The product portfolio includes 5" to 30" 70 mm and 10" 83 mm diameter cartridge filters with hydrophilic membranes for use with water-based chemicals, and hydrophobic membranes for use with solvent-based chemicals. Retention ratings from 0.1 µm to 10 µm are available to meet your specific application needs.

APPLICATIONS

- The hydrophilic version can be used in DI water and water-based acid/alkaline solutions for developer, etching, and cleaning applications
- The hydrophobic version can be used in air filtration, stripper, and IPA or solvent applications in flat panel display or hard disk industries



FEATURES AND BENEFITS

FEATURE	BENEFIT
PTFE pleated membrane with PP support and molded parts	<ul style="list-style-type: none"> Offers excellent chemical compatibility, enabling use in a wide variety of chemical applications Provides more reliable filtration of defect-causing particles than PP media Low cost of ownership
Hydrophilic or hydrophobic membrane	<ul style="list-style-type: none"> Does not require prewetting, reducing startup time and lowering operational cost Allows flexibility to meet your specific application requirements
Available in 5" to 30" Ø70 mm and 10" Ø83 mm cartridge sizes	<ul style="list-style-type: none"> Suitable for various flow requirements and formats provides flexibility in point-of-use or bulk filtration applications

SPECIFICATIONS

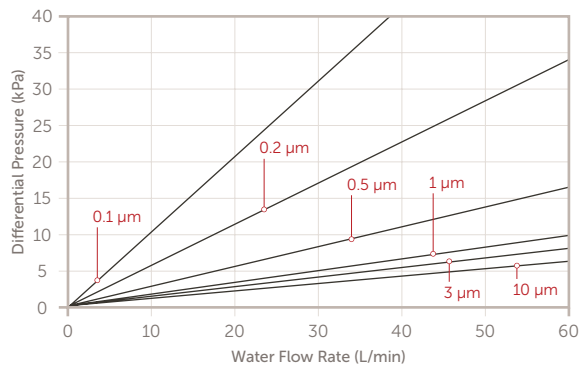
Material	Membrane	Hydrophilic or hydrophobic PTFE
	Support	PP
	Sleeve/caps/core	PP
	O-ring	EPDM, FKM, E-FKM
	Gasket (Code-F)	EPDM, FKM
Retention rating	0.1, 0.2, 0.5, 1, 3, 10 μm	
Maximum operating conditions	Maximum forward differential pressure: 0.40 MPa (4.0 bar, 58 psi) @ 25°C (77°F)	
	Maximum reverse differential pressure: 0.30 MPa (3.0 bar, 44 psi) @ 25°C (77°F)	
	Maximum operating temperature: 90°C (for 70 mm diameter cartridge, in water) 80°C (for 83 mm diameter cartridge, in water)	

Note: Savana PTFE liquid filters can be sterilized by autoclaving up to 50 cycles at 125°C (257°F) or sterilized by steam-in-place up to 50 cycles at 135°C (275°F) for 30 minutes at less than 30 kPa (0.3 bar) differential pressure.

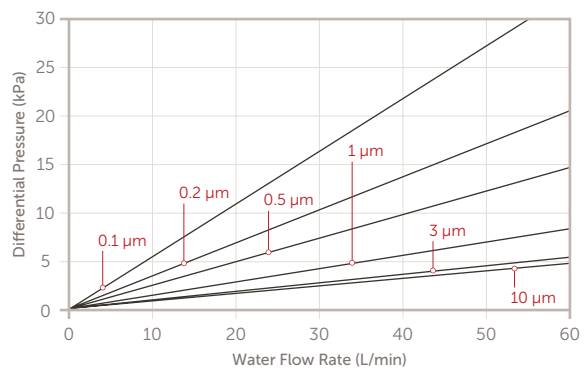
Savana PTFE Liquid Filter (Ø70 mm)

PERFORMANCE DATA

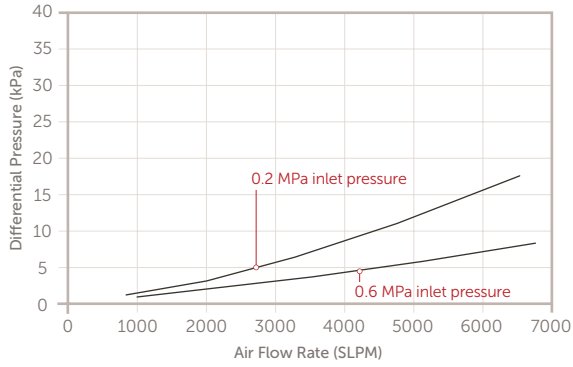
Savana PTFE 10" Cartridge Filters



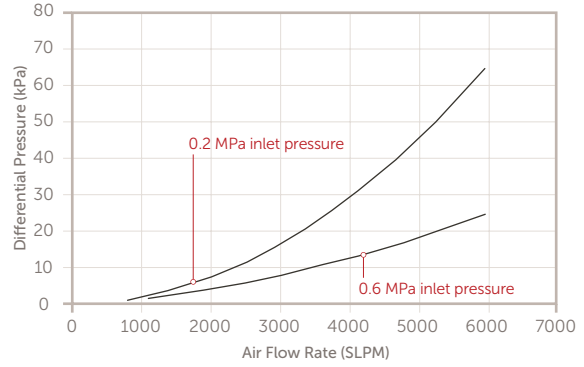
Savana PTFE-HP 10" Cartridge Filters



Savana PTFE 10" Cartridge Filters
0.2 µm (0.003 µm for Gas) Code 0

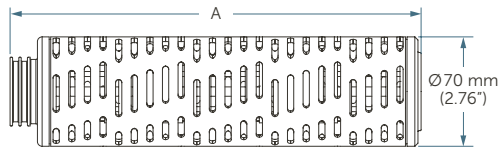


Savana PTFE 10" Cartridge Filters
0.2 µm (0.003 µm for Gas) Code F



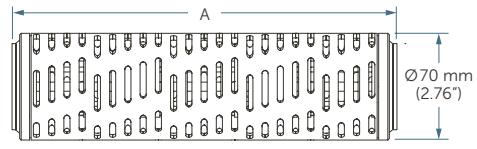
DIMENSIONS

Ø70 mm Code 0 Filter



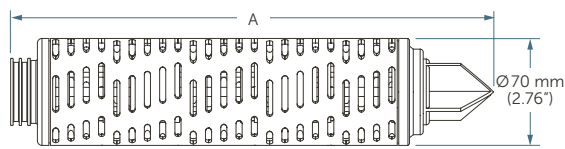
Length	A
4"	123.5 mm (4.9")
5"	145.5 mm (5.7")
10"	263 mm (10.4")
20"	506.5 mm (19.9")
30"	750.5 mm (29.5")

Ø70 mm Code F Filter



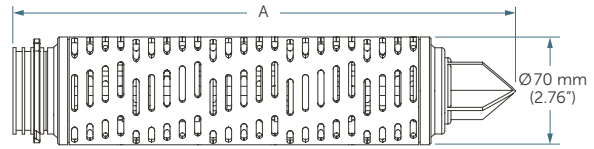
Length	A
10"	247 mm (9.7")
20"	491 mm (19.3")
30"	735 mm (28.9")

Ø70 mm Code 5 Filter



Length	A
10"	312.5 mm (12.3")
20"	556 mm (21.9")
30"	800 mm (31.5")

Ø70 mm Code 7 Filter



Length	A
10"	315 mm (12.4")
20"	558.5 mm (22.0")
30"	802 mm (31.6")

ORDERING INFORMATION

*Code 0, 5, and 7 only

Savana PTFE Ø70 mm Cartridge Filters: part number

SV

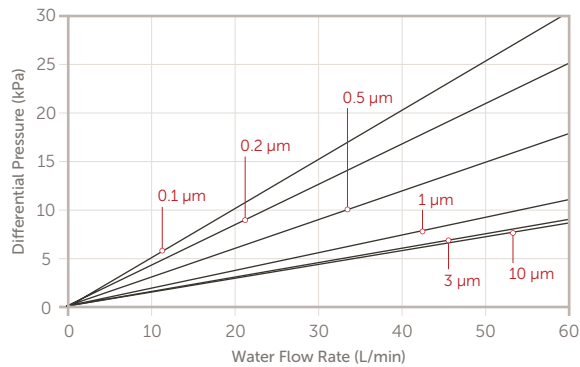
Membrane	Retention rating	Code	Length	O-ring	Quantity
E = Hydrophobic	V = 0.1 µm	0 = Code 0	S0 = 4"*	E = EPDM	1 = 1/pack
0 = Hydrophilic (-HP)	G = 0.2 µm	F = Code F	05 = 5"*	V = FKM	
Model	H = 0.5 µm	5 = Code 5	20 = 20"	T = E-FKM*	
SV = Savana PTFE cartridge filter	A = 1 µm	7 = Code 7	30 = 30"		
	S = 3 µm				
	C = 10 µm				

* For Code-0 Only.

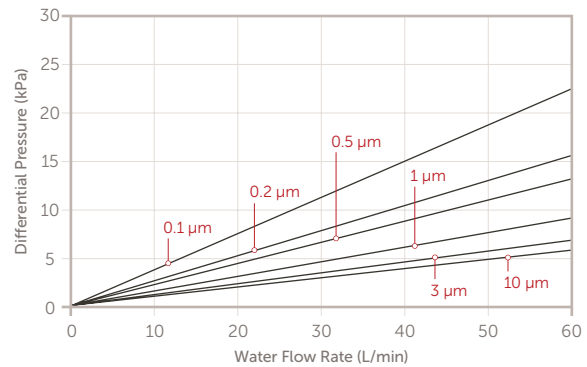
Savana PTFE-X/-HPX Liquid Filter (Ø83 mm Code 0)

PERFORMANCE DATA

Savana PTFE-X 10" Cartridges

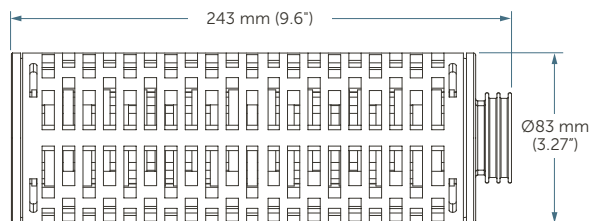


Savana PTFE-HPX 10" Cartridges



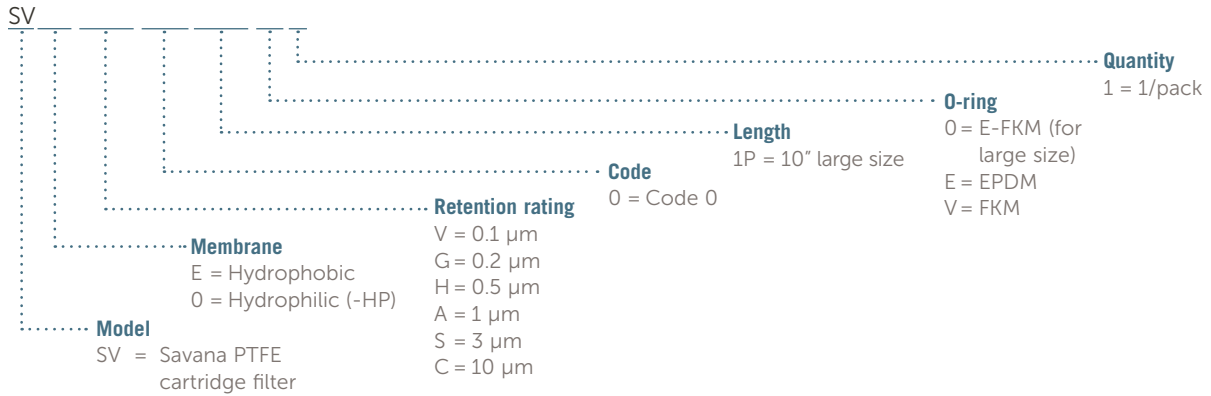
DIMENSIONS

Ø83 mm Code 0 Filter



ORDERING INFORMATION

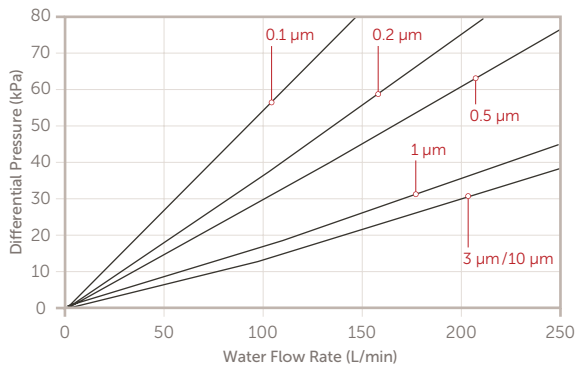
Savana PTFE-X/HPX Ø83 mm Cartridge Filters: part number



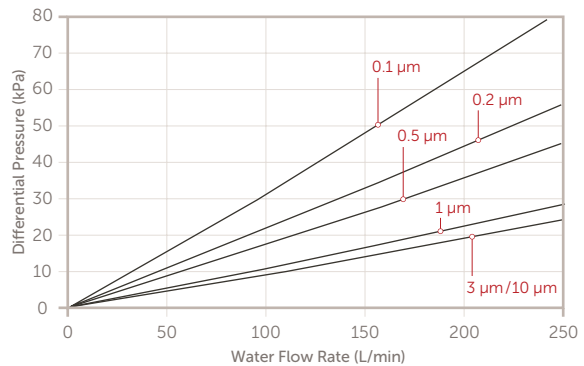
Savana PTFE 226 THF/THP Liquid Filter (Ø83 mm Code 6)

PERFORMANCE DATA

Savana PTFE 226 THF Cartridge Filters

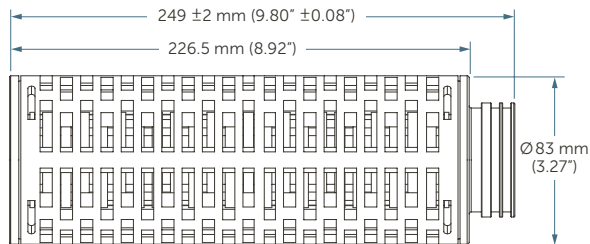


Savana PTFE 226 THP Cartridge Filters



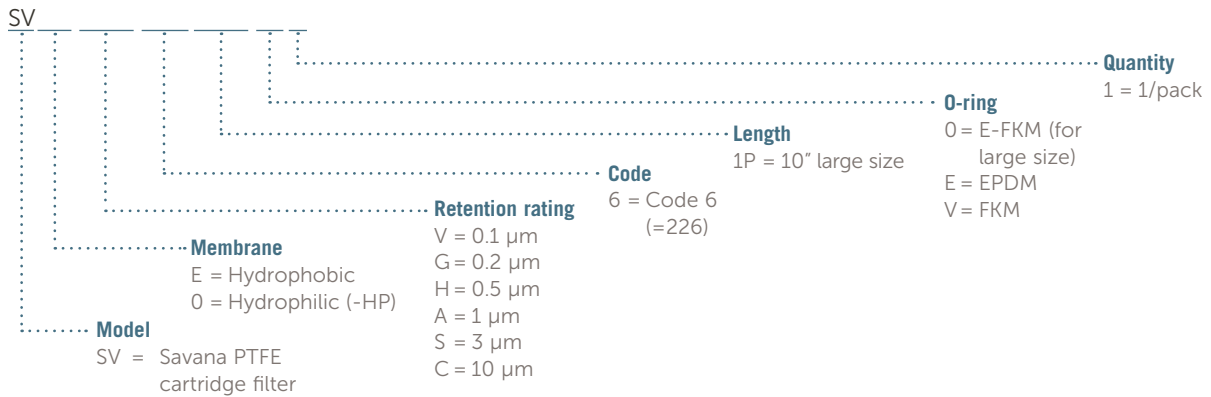
DIMENSIONS

Ø83 mm Code 6 Filter



ORDERING INFORMATION

Savana PTFE 226 THF/THP Ø83 mm Cartridge Filters: part number



FOR MORE INFORMATION

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Corporate Headquarters

129 Concord Road
Billerica, MA 01821
USA

Customer Service

Tel +1 952 556 4181
Fax +1 952 556 8022
Toll Free 800 394 4083

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