



SAVANA® PTFE FILTERS

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

Overview

Savana® PTFE filters are constructed of PTFE pleated membranes with polypropylene supports to provide unmatched durability and cleanliness for filtration of process fluids used in the electronics industry.

Applications

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



Features and Benefits

Feature	Advantage	Benefit
PTFE pleated membrane with polypropylene support and molded parts	Excellent chemical compatibility Better particle removal performance than polypropylene media	Can be used in a wide variety of chemical applications Provide reliable filtration of defect-causing particles Low cost of ownership
Hydrophobic and hydrophilic membranes	Hydrophilic membranes do not require prewetting in water-based chemicals, while hydrophobic membranes do not require prewetting in solvent-based chemicals	Flexibility to choose hydrophobic or hydrophilic membrane to suit application Saves time and lowers operational cost
0.1, 0.2, 0.5, 1, 3, 10 µm pore ratings	Available for wide range of applications	
Available in 5" to 30" Ø70 mm and 10" Ø83 mm cartridge sizes	Suitable for various formats and flow requirements	Flexibility to choose cartridge format that suits POU (point-of-use) or bulk filtration

Specifications

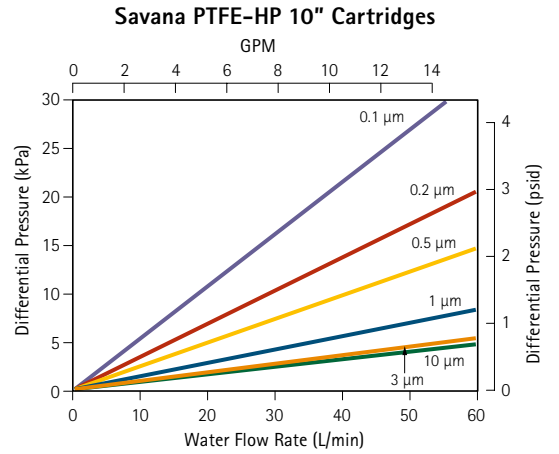
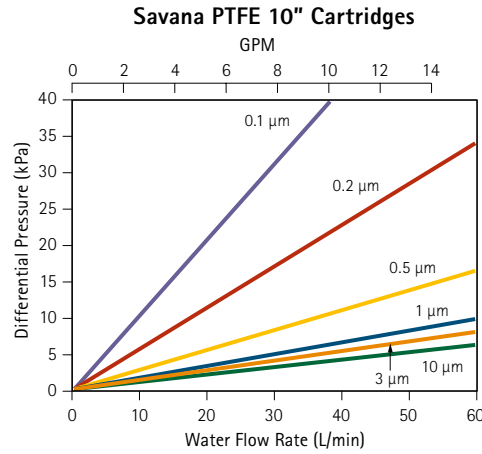
Material:	Membrane	Hydrophobic and hydrophilic PTFE
	Support	Polypropylene
	Sleeve/caps/core	Polypropylene
	O-ring	EPDM, FKM, E-FKM
	Gasket (Code-F)	EPDM, FKM
Retention rating:	0.1, 0.2, 0.5, 1, 3, 10 µm	
Maximum operating conditions:	Maximum forward differential pressure	0.40 MPa (4.0 bar, 58 psi) @ 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: Materials of construction conform to those listed in U.S. FDA Code of Federal Regulation Title 21 Part 177

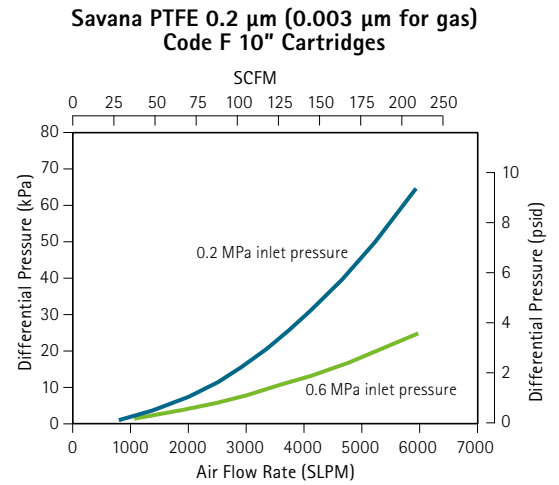
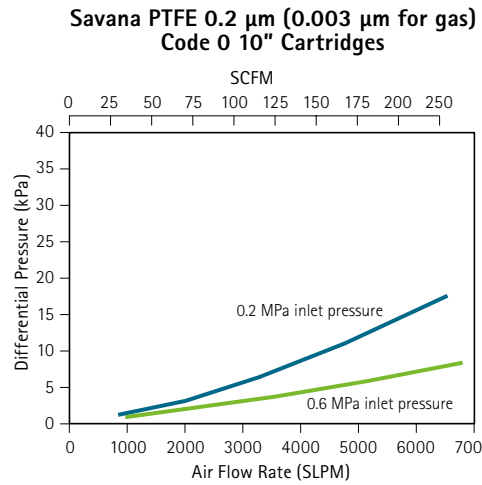
Savana PTFE Filter (Ø70 mm)

Performance Data

WATER FLOW RATE

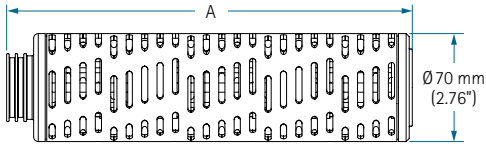


AIR FLOW RATE



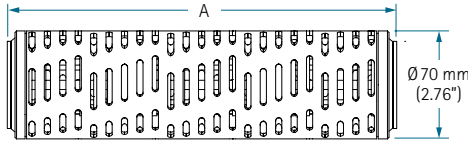
Dimensions

Ø70 MM CODE 0 FILTER



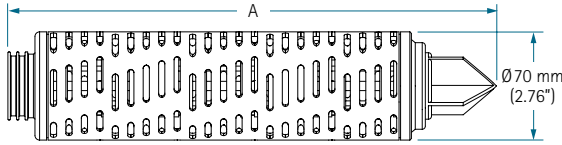
Length	A: Size (mm)
5"	143
10"	263
20"	509
30"	756

Ø70 MM CODE F FILTER



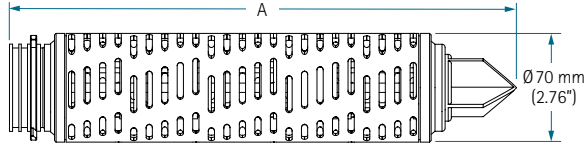
Length	A: Size (mm)
5"	132
10"	253
20"	497
30"	745

Ø70 MM CODE 5 FILTER



Length	A: Size (mm)
5"	196
10"	316
20"	562
30"	809

Ø70 MM CODE 7 FILTER



Length	A: Size (mm)
5"	200
10"	318
20"	566
30"	815

Ordering Information

	Pore rating (µm)	Code	Length	O-ring	Quantity
SVE = Hydrophobic	V = 0.1	0 = Code 0	05 = 5"	E = EPDM	1 = 1/pack
SV0 = Hydrophilic (-HP)	G = 0.2	F = Code F	10 = 10"	V = FKM	
	H = 0.5	5 = Code 5	20 = 20"	T = E-FKM*	
	A = 1	7 = Code 7	30 = 30"		
	S = 3				
	C = 10				

*Code 0, 5 and 7 only

Example: **SVEV010E1**

Hydrophobic
 Pore rating = 0.1 µm
 Code = Code 0
 Length = 10"
 O-ring = EPDM
 Quantity = 1/pack

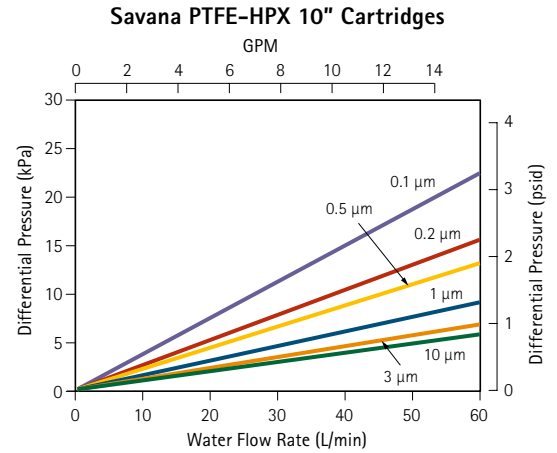
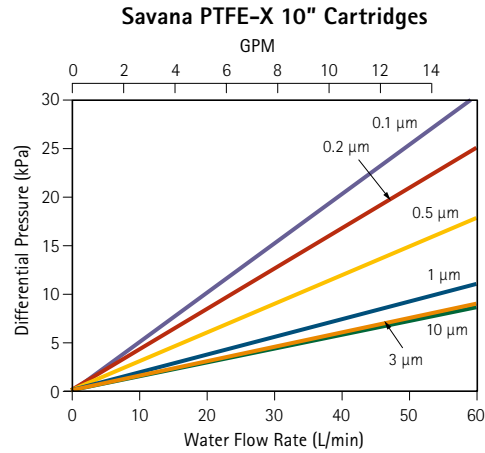
Example: **SV0V010E1**

Hydrophilic (-HP)
 Pore rating = 0.1 µm
 Code = Code 0
 Length = 10"
 O-ring = EPDM
 Quantity = 1/pack

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

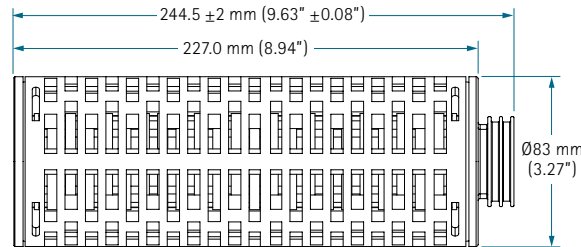
Performance Data

WATER FLOW RATE



Dimensions

Ø83 MM CODE 0 FILTER



Ordering Information

	Pore rating (µm)	Code	Length	O-ring	Quantity
SVE = Hydrophobic (-X)	V = 0.1	0 = Code 0	1P = 10" large size	0 = E-FKM (for large size)	1 = 1/pack
SV0 = Hydrophilic (-HPX)	G = 0.2			E = EPDM	
	H = 0.5			V = FKM	
	A = 1				
	S = 3				
	C = 10				

Example: **SVEV01P01**

Hydrophobic (-X)
 Pore rating = 0.1 µm
 Code = Code 0
 Length = 10"
 O-ring = E-FKM
 Quantity = 1/pack

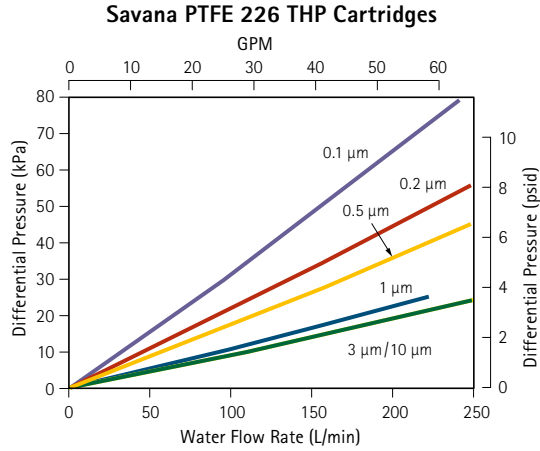
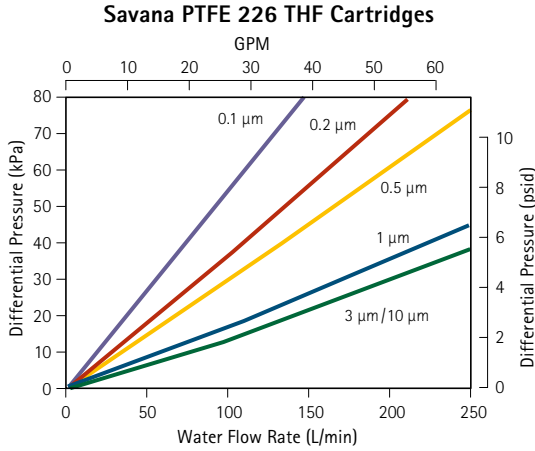
Example: **SV0V01P01**

Hydrophilic (-HPX)
 Pore rating = 0.1 µm
 Code = Code 0
 Length = 10"
 O-ring = E-FKM
 Quantity = 1/pack

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

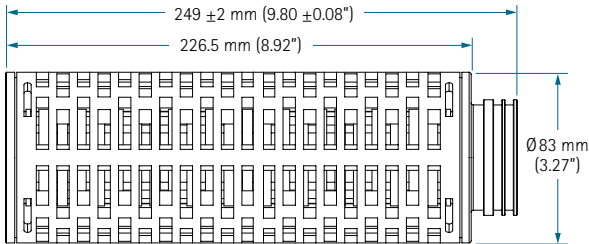
Performance Data

WATER FLOW RATE



Dimensions

Ø83 MM CODE 6 FILTER



Ordering Information

	Pore rating (µm)	Code	Length	O-ring	Quantity
SVE = Hydrophobic (THF)	V = 0.1	6 = Code 6	1P = 10" large	O = E-FKM	1 = 1/pack
SV0 = Hydrophilic (THP)	G = 0.2	(=226)	size	(for large size)	
	H = 0.5			E = EPDM	
	A = 1			V = FKM	
	S = 3				
	C = 10				

Example: **SVEV61P01**

- Hydrophobic (THF)
- Pore rating = 0.1 µm
- Code = Code 6
- Length = 10"
- O-ring = E-FKM
- Quantity = 1/pack

Example: **SV0V61P01**

- Hydrophilic (THP)
- Pore rating = 0.1 µm
- Code = Code 6
- Length = 10"
- O-ring = E-FKM
- Quantity = 1/pack

For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit www.entegris.com and select the Customer Service link for the center nearest you.

Terms and Conditions of Sale

All purchases are subject to Entegris' Terms and Conditions of Sale. To view and print this information, visit www.entegris.com and select the Legal Notices link from the footer.

Entegris®, the Entegris Rings Design® and Savana® are registered trademarks of Entegris, Inc.

ENTEGRIS, INC.

Corporate Headquarters | 129 Concord Road | Billerica, MA 01821 USA
Customer Service Tel. +1 952 556 4181 | Customer Service Fax +1 952 556 8022
In North America 800 394 4083 | www.entegris.com

©2011–2013 Entegris, Inc. All rights reserved Printed in USA 4426-7074ENT-0513

