



## SAVANA® PTFE DISPOSABLE FILTERS

*Constructed with PTFE membrane, PP supports  
and PP housing for enhanced durability*

### Overview

Savana® PTFE disposable filters are constructed of PTFE pleated membranes with polypropylene supports and housing to provide fine durability and cleanliness for filtration of process fluids used in the electronics and various industries.

### Applications

- The hydrophobic version can be used in IPA or weak solvent applications in flat panel display or hard disk industries.
- The hydrophilic version can be used in DI water and water-based nonaggressive light acid/alkaline solutions.



### Features and Benefits

Feature	Advantage	Benefit
Pleated PTFE membrane with polypropylene support and housing	Excellent chemical compatibility	Can be used in wide variety of chemical applications
	Better particle removal performance than polypropylene media	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 half, short and long sizes	Suitable for various formats and flow requirements	Flexibility to choose sizes by required flow rates

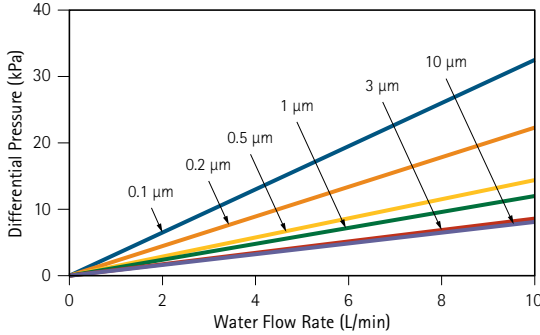
### Specifications

Materials:	Membrane	Hydrophobic and Hydrophilic PTFE
	Support	Polypropylene
	Sleeve, caps, core	Polypropylene
	Housing	Polypropylene
Retention rating:	0.1, 0.2, 0.5, 1, 3, 10 µm	
Maximum operating conditions:	Maximum forward differential pressure	0.42 MPa @ 25°C (77°F)
	Maximum reverse differential pressure	0.21 MPa @ 25°C (77°F)
	Maximum operating pressure	0.5 MPa @ 25°C (77°F)
	Maximum operating temperature	60°C (in water)

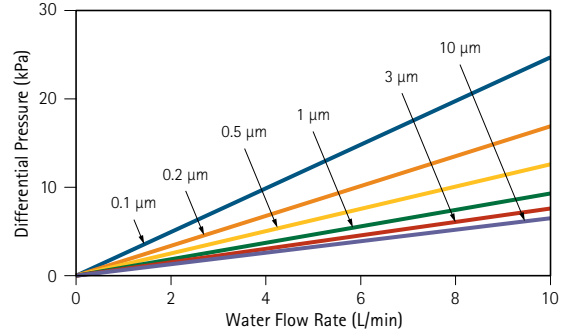
## Performance Data

### Water Flow Rate for Long

Savana PTFE Disposable Long (5") 1/2" Compression

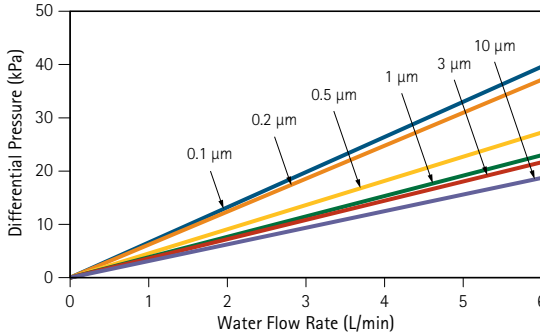


Savana PTFE-HP Disposable Long (5") 1/2" Compression

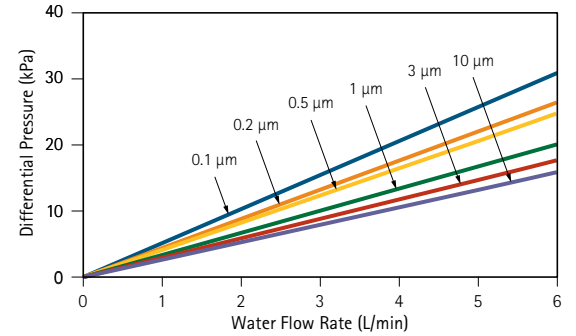


### Water Flow Rate for Short

Savana PTFE Disposable Short (2 1/2") 1/4" Compression

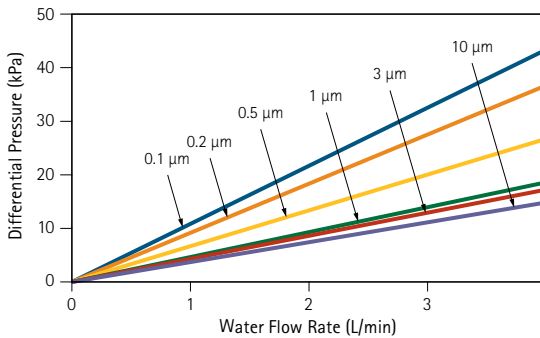


Savana PTFE-HP Disposable Short (2 1/2") 1/4" Compression

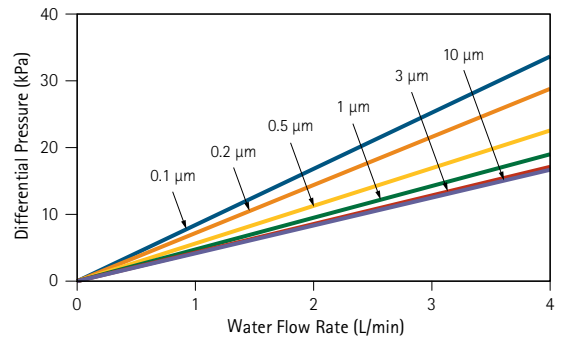


### Water Flow Rate for Half

Savana PTFE Disposable Half (1 1/2") 1/4" Compression

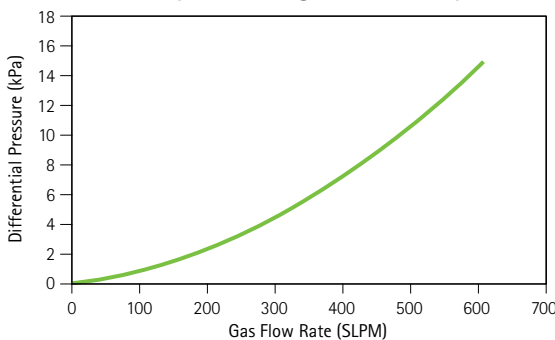


Savana PTFE-HP Disposable Half (1 1/2") 1/4" Compression

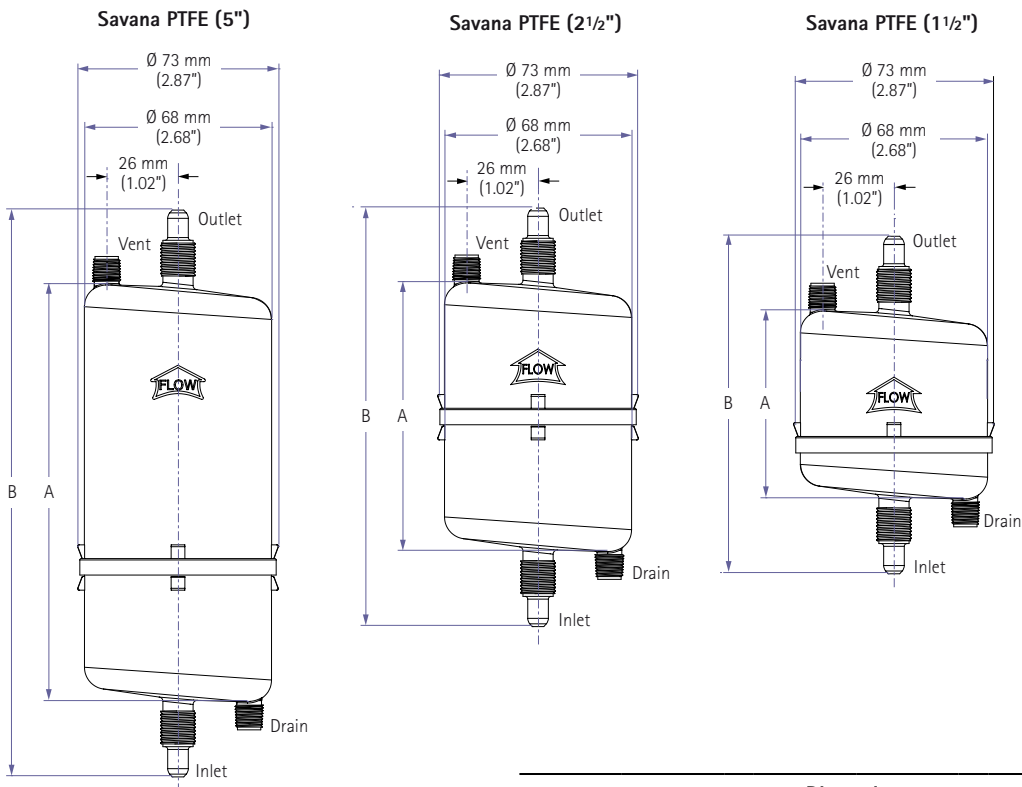


### Gas Flow Rate for Long

Savana PTFE Disposable Long (5") 1/2" Compression



# Dimensions

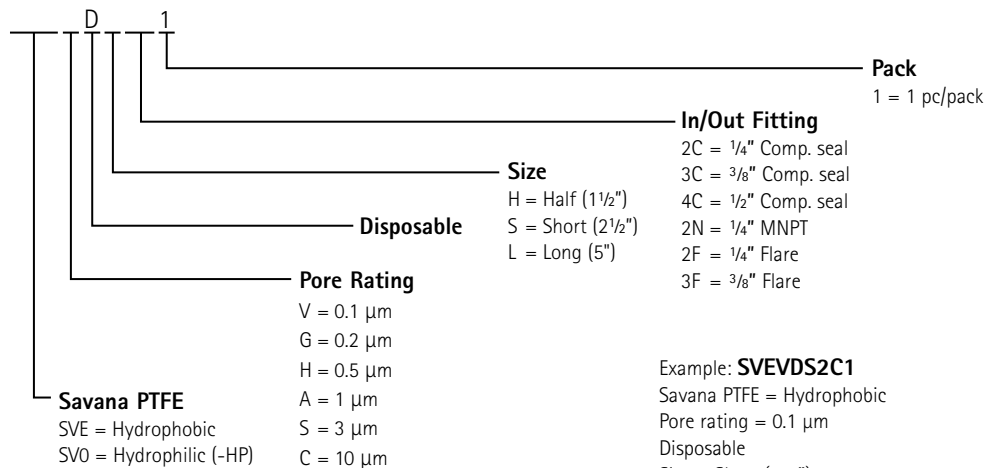


			Dimensions					
			Long (5")		Short (2 1/2")		Half (1 1/2")	
Fitting Code	In/Out Fitting	Vent/Drain Fitting	A	B	A	B	A	B
2C	1/4" Comp. seal	1/4" Comp. seal	153 mm	179 mm	98 mm	125 mm	68 mm	95 mm
3C	3/8" Comp. seal	1/4" Comp. seal	153 mm	179 mm	98 mm	125 mm	68 mm	95 mm
4C	1/2" Comp. seal	1/4" Comp. seal	153 mm	185 mm	98 mm	131 mm	68 mm	101 mm
2N	1/4" MNPT	1/8" MNPT	153 mm	182 mm	98 mm	128 mm	68 mm	98 mm
2F	1/4" Flare	1/8" MNPT	153 mm	207 mm	98 mm	153 mm	68 mm	123 mm
3F	3/8" Flare	1/4" Flare	153 mm	206 mm	98 mm	152 mm	68 mm	122 mm

## Ordering Information

### Savana PTFE Disposable Filters

#### Part Number



#### Savana PTFE

SVE = Hydrophobic  
SVO = Hydrophilic (-HP)

#### Pore Rating

V = 0.1  $\mu$ m  
G = 0.2  $\mu$ m  
H = 0.5  $\mu$ m  
A = 1  $\mu$ m  
S = 3  $\mu$ m  
C = 10  $\mu$ m

#### Disposable

#### Size

H = Half (1 1/2")  
S = Short (2 1/2")  
L = Long (5")

#### In/Out Fitting

2C = 1/4" Comp. seal  
3C = 3/8" Comp. seal  
4C = 1/2" Comp. seal  
2N = 1/4" MNPT  
2F = 1/4" Flare  
3F = 3/8" Flare

#### Pack

1 = 1 pc/pack

#### Example: SVEVDS2C1

Savana PTFE = Hydrophobic  
Pore rating = 0.1  $\mu$ m  
Disposable  
Size = Short (2 1/2")  
In/Out fitting = 1/4" Comp. seal  
Pack = 1 pc/pack

	In/Out Fitting	Vent/Drain Fitting	Vent/Drain Plug
2C	1/4" Comp. seal	1/4" Comp. seal	2 pieces
3C	3/8" Comp. seal	1/4" Comp. seal	2 pieces
4C	1/2" Comp. seal	1/4" Comp. seal	2 pieces
2N	1/4" MNPT	1/8" MNPT	2 pieces
2F	1/4" Flare	1/8" MNPT	2 pieces
3F	3/8" Flare	1/4" Flare	No plug

## For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [www.entegris.com](http://www.entegris.com) and select the Customer Service link for the center nearest you.

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