

Savana® AT Cartridge Filters

All-fluoropolymer filtration of aggressive chemicals

Savana® AT cartridge filters are designed with all-fluoropolymer construction to consistently remove particles from a wide range of acids, bases and other process chemicals. Ideal for medium- and high-flow applications, Savana cartridge filters deliver a low cost of ownership (COO).

The optimized filtration area minimizes pressure drop across the filter without compromising the enhanced particle removal characteristics of the design. The fluoropolymer materials and device construction enable lower extractables and other contaminants that may be detrimental to the process, while providing high-retention performance in a clean, durable filter.



FEATURES & BENEFITS

FEATURE	ADVANTAGE	BENEFIT
All-fluoropolymer construction	Excellent chemical compatibility	Broad range of applications
	High flow	Increased yield Higher throughput Faster process cleanup
Optimized surface area using pleated structure	Long lifetime	Lower COO
	Low pressure drop (less stress on other components, such as pumps, etc.)	
Prewet version available	No solvent needed for prewetting	
	Quicker/easier installation	

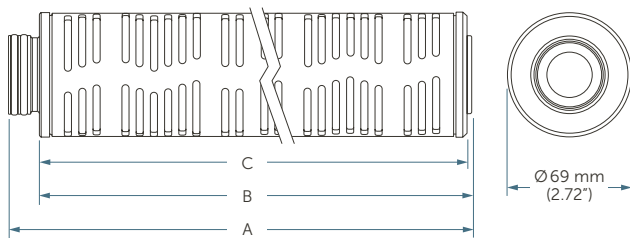
SPECIFICATIONS

Materials:	Membrane	PTFE
	Support	PFA
	O-ring (AS568-222)	Encapsulated FKM (E-FKM)
Retention rating:	30 nm, 0.05, 0.1, 0.2, 0.5, 1, 5, 10 μm	
Shelf life (prewet option):	1 year	
Membrane area:	4"	0.23 m ² (2.48 ft ²)
	10"	0.8 m ² (8.61 ft ²)
	20"	1.6 m ² (17.22 ft ²)
	30"	2.4 m ² (25.83 ft ²)
Maximum operating conditions	Maximum forward differential pressure:	
	0.51 MPa (5.1 bar, 74 psid) @ 25°C (77°F)	
	0.20 MPa (2.0 bar, 29 psid) @ 120°C (248°F)	
	Maximum reverse differential pressure:	
0.35 MPa (3.5 bar; 50 psid) @ 25°C (77°F)		
Maximum operating temperature:		
120°C (248°F) at the above conditions		

Notes: Prewet filters are enclosed in a bag filled with DI water and 0.9% H₂O₂. Drain and flush with 20 liters of DI water (per 10") after installing the filter.

Savana AT can be sterilized by autoclaving up to 50 cycles at 125°C or sterilized by steam-in-place up to 50 cycles at 135°C for 30 minutes at less than 0.3 bar differential pressure

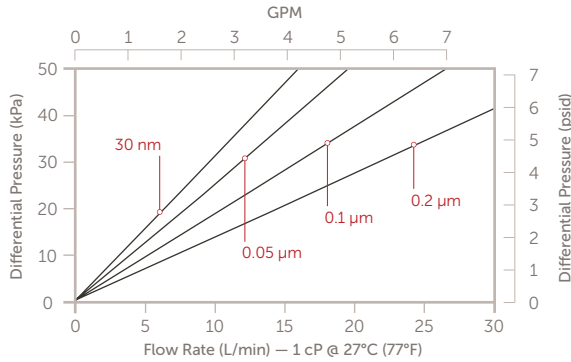
DIMENSIONS



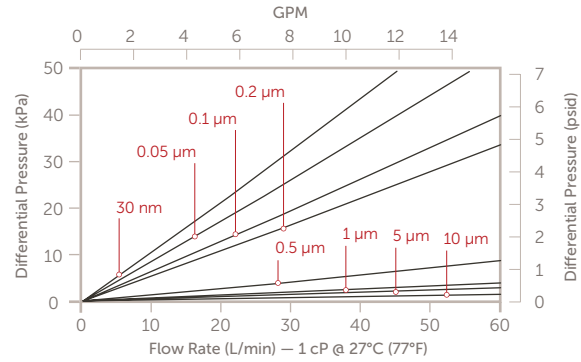
Nominal size	A	B	C
4"	93.3 ±2.0 mm (3.67 ±0.079")	76.0 ±2.0 mm (2.99 ±0.079")	74.0 ±2.0 mm (2.91 ±0.079")
10"	262.3 ±2.0 mm (10.33 ±0.079")	245.0 ±2.0 mm (9.65 ±0.079")	243.0 ±2.0 mm (9.57 ±0.079")
20"	498.3 ±3.0 mm (19.62 ±0.118")	479.0 ±3.0 mm (18.86 ±0.118")	477.0 ±3.0 mm (18.78 ±0.118")
30"	738.3 ±4.5 mm (29.07 ±0.177")	719.0 ±4.5 mm (28.31 ±0.177")	717.0 ±4.5 mm (28.23 ±0.177")

PERFORMANCE DATA

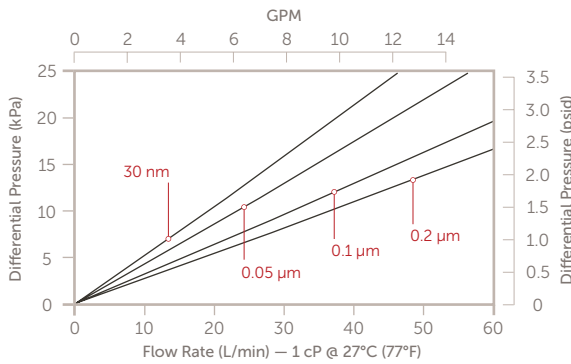
Savana AT 4" Cartridge Filters



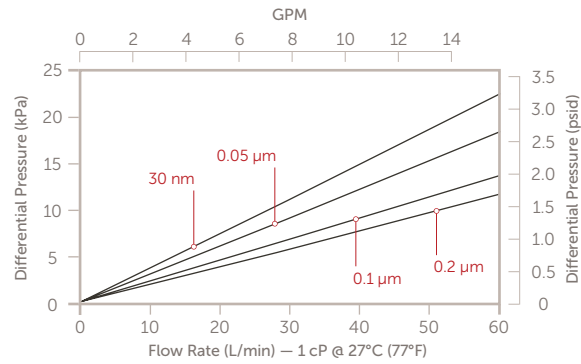
Savana AT 10" Cartridge Filters



Savana AT 20" Cartridge Filters



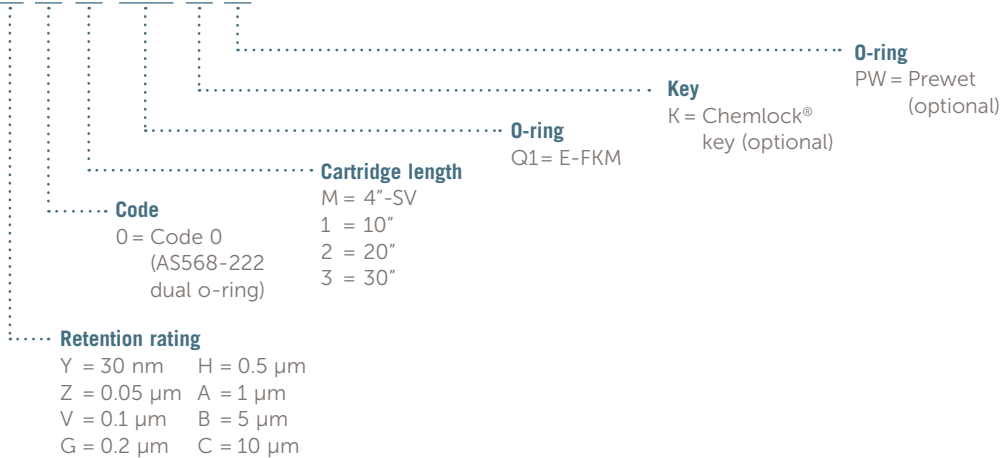
Savana AT 30" Cartridge Filters



ORDERING INFORMATION

Savana AT Cartridge Filters: part number

SVT 0 T Q1



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