

# Savana® HF Liquid Filters

*High flow, pre-RO (reverse osmosis)  
filtration in desalination and industrial  
water treatment systems*

Savana® HF liquid filters support high flow pre-RO (reverse osmosis) filtration in desalination and industrial water treatment systems. The pleated polypropylene (PP) media has a large filtration area that facilitates low pressure drop. The large 6-inch diameter cartridge format, available in various lengths, supports high flow rates up to 114 m<sup>3</sup>/h (500 gallons per minute [GPM]), requires fewer filter changeouts, and maintains a low cost of operation. The optimized media structure enables consistent particle removal with high dirt capacity, thereby improving performance and extending service life.

## APPLICATIONS

- Pre-RO filtration of sea and brackish water in desalination plants
- Industrial water treatment, reuse or municipal water
- Water treatment in oil, gas or mining industries



## FEATURES & BENEFITS

<b>Pleated PP media</b>	Has a large filtration area that facilitates low pressure drop
<b>Large 6" diameter cartridge format available in 20", 40" and 60" lengths</b>	Supports high flow rates up to 114 m <sup>3</sup> /h (500 GPM) Requires fewer filter changeouts Maintains a low cost of operation
<b>Optimized media structure</b>	Enables consistent particle removal with high dirt capacity Improves performance Extends service life

## SPECIFICATIONS

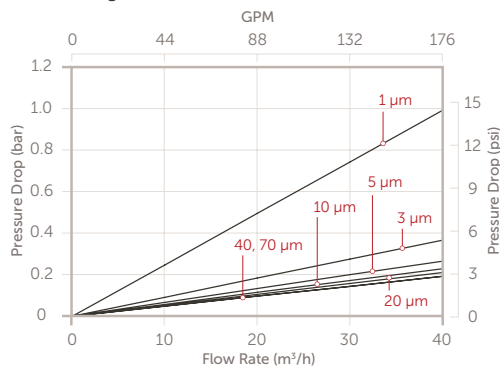
<b>Retention ratings</b>	1, 3, 5, 10, 20, 40, 70 $\mu\text{m}$	
<b>Materials</b>	Media, support, sleeve, end caps	Polypropylene
	U-cup	EPDM
	O-ring (AS568-435)	E-FKM
<b>Maximum operating conditions</b>	Maximum forward differential pressure: 0.34 MPa @ 80°C (176°F)  Maximum operating temperature: 80°C (176°F)	

## PERFORMANCE DATA

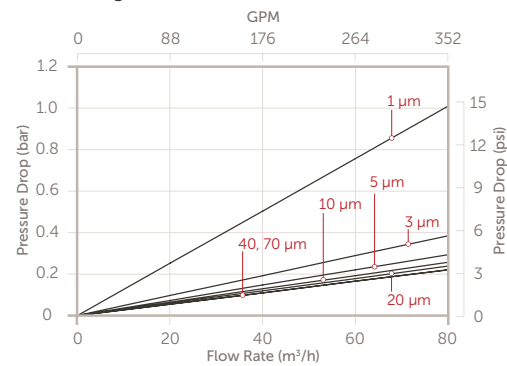
### Flow recommendations

Cartridge length	Recommended flow	Maximum flow
20"	32 m <sup>3</sup> /h (140 GPM)	40 m <sup>3</sup> /h (175 GPM)
40"	64 m <sup>3</sup> /h (282 GPM)	80 m <sup>3</sup> /h (350 GPM)
60"	91 m <sup>3</sup> /h (400 GPM)	114 m <sup>3</sup> /h (500 GPM)

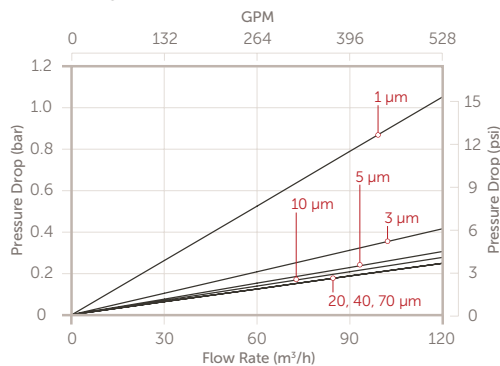
20" Cartridge



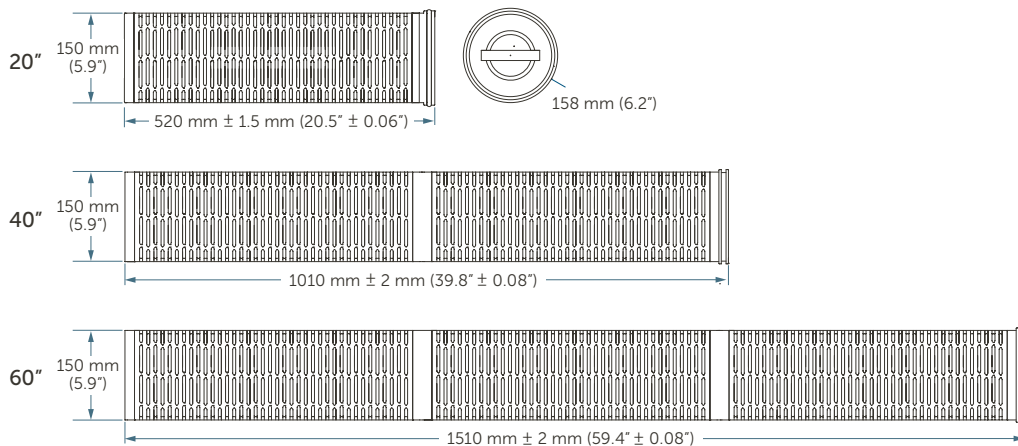
40" Cartridge



60" Cartridge



## DIMENSIONS



## ORDERING INFORMATION

Savana HF High Flow Filters: part number

SVHF

				<b>Sealing type</b>
				E = EPDM u-cup
				T = E-FKM O-ring
		<b>Length</b>		
		20 = 20"		
		40 = 40"		
		60 = 60"		
<b>Retention rating</b>				
01 = 1 μm	10 = 10 μm			
03 = 3 μm	20 = 20 μm			
05 = 5 μm	40 = 40 μm			
	70 = 70 μm			

## FOR MORE INFORMATION

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