



SYSTEM MODEL NUMBER		SF-30CS HH	SF-30CS LH	SF-36CS HH	SF-36CS LH
Design Flow Rate 20gpm/sq. ft.		98gpm@80tdh	98gpm@40tdh	141gpm@80tdh	141gpm@40tdh
Filter Area Sq. Ft.		4.91		7.06	
ITEM 1	Sand Filter	Carbon Steel, Internal Epoxy Coat/ External Powder Coat			
	Internal Screens	316 Stainless Steel Wedge Wire			
ITEM 2	Frame Construction	Carbon Steel, External Powder Coat			
ITEM 3	Pipe Assembly	Schedule 80 PVC with Enamel Finish *			
ITEM 4	Horsepower	5	3	5	3
Motor 460 VAC TEFC	Approx. AMPS @ 460V	7.6	4.8	7.6	4.8
	RPM	3500			
ITEM 5	Pump Casing	Cast Iron			
Pump	Pump Impeller	Bronze			
	Mechanical Seal	VITON Elastomer, Silicone Carbide Seat, Carbon Rotary			
ITEM 6	Body Construction	Cast Iron			
Basket Strainer (Optional for LH)	Internal Screen	1/4" Perforated 304 Stainless Steel			
	Connection	Threaded, Female NPT		Flange	
ITEM 7	Enclosure	NEMA 4 powder coated, watertight, UL listed and CSA approved			
Control Panel (UL Listed and labeled, mfg. to UL-508-A)	Electrical Components	Starter with thermal overload, HOA selector switch, 460/120VAC transformer with circuit breakers, pump "run" light, PLC timer, door disconnect, magnetic contactor, manual backwash push button, differential pressure switch, backwash "ON" light, and backwash counter. Manufactured with all UL listed & CSA approved electrical components.			
	ITEM 8	Body Construction	Cast Iron, Powder Coated		
Valve Assembly	Disc Construction	316 Stainless Steel			
	Connection	Butterfly, Lug Style			
	Seat	EPDM			
	Electrical	120VAC Electric Actuator			
ITEM 9	Y-Strainer	Only used with SFS (Water Tower) Cast Iron, 3/64" Perforation			
ITEM 10	Valve	Pressure Release & Manual Air Vent 3/4" NPT			
Media Weight, lbs.	No. 20 Sand	533 lbs		656 lbs	
	Gravel	205 lbs		246 lbs	
Dimensions	Dim "A"	62in.		64in.	
	Dim "B"	65in.		68in.	
	Dim "C"	67in.		73in.	
Operating Pressures	Max. Inlet PSI (Open Loop)	60 PSI			
	Max. Inlet PSI (Close Loop)	60 PSI**			
	Max. Operating PSI	80 PSI			
	Max. Operating Temp.	100°F			
Connections	Pump Inlet	2-1/2" NPT	2" NPT (2-1/2") NPT	2-1/2" NPT	3" NPT (4"FLG)
	Filtration Outlet	2-1/2" Flange		3" Flange	
	Backwash Outlet				
	City Water Outlet				
Water Loss During Backwash, 45 sec.		74 gallons		106 gallons	
Weight, lbs.	Shipping	1850 lbs		2245 lbs	
	Operating	2700 lbs		3740 lbs	

Note: Dimensions are approximate and are for reference only. Dimensions subject to change without notice. Weights are approximate.
 * Optional or as required by temperature/pressure requirements--Carbon Steel, Rust Inhibitor Primer with Enamel finish.
 ** System pump plus Sand Filter skid pump total cannot exceed 60 PSI.