



SYSTEM MODEL NUMBER		SF-16CS HH	SF-16CS LH	SF-18CS HH	SF-18CS LH	SF-24CS HH	SF-24CS LH
Design Flow Rate 20gpm/sq. ft.		27gpm@80tdh	27gpm@40tdh	35gpm@80tdh	35gpm@40tdh	63gpm@80tdh	63gpm@40tdh
Filter Area Sq. Ft.		1.4		1.8		3.1	
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	1.5	.75	1.5	.75	3.0	1.5
Motor TEFC	Approx. AMPS @ 460V	3	1.6	3	1.6	4.8	3
	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)	Internal Screen	1/4" Perforated 304 Stainless Steel					
	Connection	Threaded, Female NPT					
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	All Bronze					
Valve Assembly	Ball Valve	Stainless Steel Ball And Stem, Standard Port					
	Connection	Threaded, Female NPT					
	Electrical	120VAC Electric Actuator					
ITEM 9	Y-Strainer	Only used with SFS		Cast Iron, 3/64" Perforation			
ITEM 10	Valve	Pressure Release & Manual Air Vent		3/4" NPT			
Media Weight	No. 20 Sand	164 lbs				328 lbs	
	Gravel	82 lbs				164 lbs	
Dimensions	Dim "A"	55"		58"		61"	
	Dim "B" (w/ Foot Pads)	35-3/4" (41-1/2 ")				44-3/4" (50-1/2 ")	
	Dim "C"	36"				40"	
Operating Limits	Max. Pressure	80 PSI**					
	Max. Temperature	100°F					
Connections	Pump Inlet NPT ***	1-1/2"	1-1/4" (1-1/2")	1-1/2"	1-1/4" (1-1/2")	1-1/2"	2" (2-1/2")
	Filtration Outlet	2" Female NPT					
	Backwash Outlet	2" Female NPT					
	City Water Inlet (SFC Models)	2" Female NPT					
Water Loss During Backwash, 45 sec.		20 gallons		26 gallons		47 gallons	
Weight	Shipping	350 lbs		480 lbs		700 lbs	
	Operating	400 lbs		640 lbs		960 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 max operating pressure  
 \*\*\* LH without Strainer/(with Strainer)