



SYSTEM MODEL NUMBER		SF-42CS HH	SF-42CS LH	SF-48CS HH	SF-48CS LH
Design Flow Rate 20gpm/sq. ft.		192gpm@80tdh	192gpm@40tdh	250gpm@80tdh	250gpm@40tdh
Filter Area Sq. Ft.		9.61		12.6	
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	7.5	3	10	5
	Motor 460 VAC TEFC	Approx. AMPS @ 460V	11	4.8	14
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			
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	1" NPT		
Media Weight, lbs.	No. 20 Sand	738 lbs		960 lbs	
	Gravel	410 lbs		571 lbs	
Dimensions	Dim "A"	67in.		69in.	
	Dim "B"	79in.		85in.	
	Dim "C"	71in.		74in.	
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	3" NPT	2-1/2" NPT (3") NPT	4" FLG	3" NPT (4"FLG)
	Filtration Outlet	4" Flange			
	Backwash Outlet				
	City Water Outlet				
Water Loss During Backwash, 45 sec.		144 gallons		188 gallons	
Weight, lbs.	Shipping	3925 lbs		5185 lbs	
	Operating	6290 lbs		8290 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.