

# INDUSTRIAL FILTRATION SYSTEMS



## FILTEREASE™ FILTRATION SYSTEMS WITH STEEL TANKS

### SWT FilterEase Filters with STEEL TANKS (FDA Lined & Primed), Aquamatic Diaphragm Valves, Time Initiated Backwash

Part Number	Recommended Flow Range GPM (LPM)	Flow Rate High Quality GPM (LPM)	Flow Rate Standard GPM (LPM)	Flow Rate Peak GPM (LPM)	Flow Rate @ 5 PSI Drop GPM (LPM)	Bed Surface Area Sq. Ft.	Backwash Rate GPM (LPM)	Tank Size Inches	Diaphragm Valve Size
FSC15P-2460	21-60 (80-228)	21 (80)	30 (114)	60 (228)	30 (114)	3.1	31 (117)	24 x 60	1.5" Composite
FSC20P-2460	30-60 (114-228)	21 (80)	30 (114)	21 (80)	30 (114)	3.1	31 (117)	24 x 60	2" Composite
FSC15C-3060	35-80 (133-303)	35 (133)	50 (189)	80 (303)	40 (152)	4.9	49 (185)	30 x 60	1.5" Cast Iron
FSC15P-3060	35-80 (133-303)	35 (133)	50 (189)	80 (303)	50 (189)	4.9	49 (185)	30 x 60	1.5" Composite
FSC20C-3060	50-100 (189-379)	35 (133)	50 (189)	100 (379)	60 (227)	4.9	49 (185)	30 x 60	2" Cast Iron
FSC20P-3060	50-100 (189-379)	35 (133)	50 (189)	100 (379)	50 (189)	4.9	49 (185)	30 x 60	2" Composite
FSC20C-3660	35-105 (133-398)	50 (190)	70 (265)	105 (398)	60 (227)	7.0	70 (265)	36 x 60	2" Cast Iron
FSC20P-3660	50-125 (190-474)	50 (190)	70 (265)	125 (474)	70 (265)	7.0	70 (265)	36 x 60	2" Composite
FSC25C-3660	70-125 (265-474)	50 (190)	70 (265)	125 (474)	70 (265)	7.0	70 (265)	36 x 60	2.5" Cast Iron
FSC30C-3660	70-140 (265-530)	50 (190)	70 (265)	140 (530)	70 (265)	7.0	70 (265)	36 x 60	3" Cast Iron
FSC30P-3660	70-140 (265-530)	50 (190)	70 (265)	140 (530)	75 (284)	7.0	70 (265)	36 x 60	3" Composite
FSC20P-4260	65-145 (246-549)	65 (246)	95 (360)	145 (549)	90 (341)	9.6	96 (363)	42 x 60	2" Composite
FSC25C-4260	65-145 (246-549)	65 (246)	95 (360)	125 (474)	90 (341)	9.6	96 (363)	42 x 60	2.5" Cast Iron
FSC30C-4260	95-190 (360-720)	65 (246)	95 (360)	190 (720)	100 (379)	9.6	96 (363)	42 x 60	3" Cast Iron
FSC30P-4260	65-190 (246-720)	65 (246)	95 (360)	190 (720)	100 (379)	9.6	96 (363)	42 x 60	3" Composite
FSC20P-4860	85-145 (322-549)	85 (322)	125 (474)	145 (549)	100 (379)	12.6	126 (477)	48 x 60	2" Composite
FSC25C-4860	85-120 (322-455)	85 (322)	125 (474)	120 (455)	125 (474)	12.6	126 (477)	48 x 60	2.5" Cast Iron
FSC30C-4860	120-200 (455-758)	85 (322)	125 (474)	200 (758)	140 (530)	12.6	126 (477)	48 x 60	3" Cast Iron
FSC30P-4860	120-230 (455-871)	85 (322)	125 (474)	230 (871)	140 (530)	12.6	126 (477)	48 x 60	3" Composite
FSC30C-5460	105-205 (398-777)	105 (398)	160 (606)	205 (777)	160 (606)	15.9	159 (602)	54 x 60	3" Cast Iron
FSC30P-5460	105-300 (398-1137)	105 (398)	160 (606)	300 (1137)	160 (606)	15.9	159 (602)	54 x 60	3" Composite
FSC40C-5460	160-318 (606-1205)	105 (398)	160 (606)	318 (1205)	160 (606)	15.9	159 (602)	54 x 60	4" Cast Iron
FSC30C-6060	130-205 (493-777)	130 (493)	200 (758)	205 (777)	175 (663)	19.6	196 (742)	60 x 60	3" Cast Iron
FSC30P-6060	130-300 (493-1137)	130 (493)	200 (758)	300 (1137)	195 (739)	19.6	196 (742)	60 x 60	3" Composite
FSC40C-6060	200-400 (758-1515)	130 (493)	200 (758)	400 (1515)	195 (739)	19.6	196 (742)	60 x 60	4" Cast Iron

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### SWT FilterEase Filters with STEEL TANKS (FDA Lined & Primed), Aquamatic Diaphragm Valves, Time Initiated Backwash

Part Number	Recommended Flow Range GPM (LPM)	Flow Rate High Quality GPM (LPM)	Flow Rate Standard GPM (LPM)	Flow Rate Peak GPM (LPM)	Flow Rate @ 5 PSI Drop GPM (LPM)	Bed Surface Area Sq. Ft.	Backwash Rate GPM (LPM)	Tank Size Inches	Diaphragm Valve Size
FSC30C-6660	120-200 (455-757)	165 (625)	200 (758)	200 (758)	180 (682)	23.8	238 (901)	66 x 60	3" Cast Iron
FSC30P-6660	165-240 (625-909)	165 (625)	240 (909)	240 (909)	225 (852)	23.8	238 (901)	66 x 60	3" Composite
FSC40C-6660	240-400 (909-1515)	165 (625)	240 (909)	400 (1515)	240 (909)	23.8	238 (901)	66 x 60	4" Cast Iron
FSC30C-7260	200-205 (757-777)	200 (757)	205 (777)	205 (777)	180 (682)	28.2	282 (1067)	72 x 60	3" Cast Iron
FSC30P-7260	280-400 (1061-1515)	200 (757)	280 (1061)	400 (1515)	250 (947)	28.2	282 (1067)	72 x 60	3" Composite
FSC40C-7260	280-400 (1061-1515)	200 (757)	280 (1061)	400 (1515)	280 (1061)	28.2	282 (1067)	72 x 60	4" Cast Iron
FSC60C-7260	280-564 (1061-2137)	200 (757)	280 (1061)	564 (2137)	280 (1061)	28.2	282 (1067)	72 x 60	6" Cast Iron

**System** is unassembled (for shipping purposes) and includes all necessary valves, tank, grades of media, underbedding, internal distributors/strainers, drain line flow controls, and the clock/timer/stager assembly mounted into a control box. External piping is not included. Customer may want to consider system additions of pressure gauges, sample cocks, vacuum breakers, flex connectors, bypass valves, shutoffs, etc.

**Cast Iron Valve** available connections: (FPT: 1.5 inch, 2 inch, 2.5 inch, 3 inch); (Flanged: 3 inch, 4 inch, 6 inch)

**Plastic Valve** available connections: (MPT: 1.5 inch); (Male Spigot Weld: 1.5 inch, 2 inch); (Female Socket Weld: 2 inch); (Flanged: 2 inch, 3 inch)

**Recommended Service Flow Rates/Ranges** are based on the sq.ft. of the tank/filter bed. Slower flow rate per sq.ft. = Better Filtration

- 3.5 to 7 gpm/sq.ft. = Superior filtration (5 to 20 micron nominal) with less than 5 to 10 psi pressure drop
- 7 to 15 gpm/sq.ft. = High quality filtration (20 to 50 micron nominal) with up to 10 to 20 psi pressure drop
- 15 to 20 gpm/sq.ft. = Utility filtration only (no micron rating estimate) with up to 25 to 30 psi pressure drop

**System Flow Rates** as listed are based on pressure drop curves of less than 2 psi drop through the service valves.

**Backwash Rates** for proper bed cleaning are best achieved at 10 to 15 gpm/sq.ft. However, allow backwash variation to as low as 8 gpm/sq.ft. for valve sizes, pipe sizes, pump sizes, water availability, and unique applications.

**Backwash Rates** allow up to 25 psi loss through the backwash valves.

**Backwash Flow Restrictors** are included and can be provided to accommodate any desired backwash flow rates.

**Valve Sizes and Tank Size Pairings** for special flow rates and backwash rates may be substituted at customer request or are application dependent.

**Operating Pressure:** 100 psi (7 bar)

**Maximum Temperature:** 140°F (60°C)

**Suggested Application Flow Rates:**

- RO Pretreatment: 3.5 to 7 gpm/sq.ft.
- Drinking Water and Process: 8 to 12 gpm/sq.ft.
- Swimming Pool: 15 to 20 gpm/sq.ft.

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