

# INDUSTRIAL FILTRATION SYSTEMS



## FILTEREASE™ FILTRATION SYSTEMS WITH COMPOSITE TANKS

### SWT FilterEase Filters with COMPOSITE TANKS, 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
FCC15P-2472	21-60 (80-228)	21 (80)	30 (114)	60 (228)	30 (114)	3.1	31 (117)	24 x 72	1.5" Composite
FCC20P-2472	30-63 (114-239)	21 (80)	30 (114)	60 (228)	30 (114)	3.1	31 (117)	24 x 72	2" Composite
FCC15C-3072	35-80 (133-303)	35 (133)	50 (189)	80 (303)	40 (152)	4.9	49 (185)	30 x 72	1.5" Cast Iron
FCC15P-3072	35-80 (133-303)	35 (133)	50 (189)	80 (303)	50 (189)	4.9	49 (185)	30 x 72	1.5" Composite
FCC20C-3072	50-100 (189-379)	35 (133)	50 (189)	100 (379)	60 (227)	4.9	49 (185)	30 x 72	2" Cast Iron
FCC20P-3072	50-100 (189-379)	35 (133)	50 (189)	100 (379)	50 (189)	4.9	49 (185)	30 x 72	2" Composite
FCC20C-3672	50-105 (190-398)	50 (190)	70 (265)	105 (398)	60 (227)	7.0	70 (265)	36 x 72	2" Cast Iron
FCC20P-3672	50-125 (190-474)	50 (190)	70 (265)	125 (474)	70 (265)	7.0	70 (265)	36 x 72	2" Composite
FCC25C-3672	70-125 (265-474)	50 (190)	70 (265)	125 (474)	70 (265)	7.0	70 (265)	36 x 72	2.5" Cast Iron
FCC30C-3672	70-140 (265-530)	50 (190)	70 (265)	140 (530)	70 (265)	7.0	70 (265)	36 x 72	3" Cast Iron
FCC30P-3672	70-140 (265-530)	50 (190)	70 (265)	140 (530)	75 (284)	7.0	70 (265)	36 x 72	3" Composite
FCC20P-4272	65-145 (246-549)	65 (246)	95 (360)	145 (549)	90 (341)	9.6	96 (363)	42 x 72	2" Composite
FCC25C-4272	65-145 (246-549)	65 (246)	95 (360)	125 (474)	90 (341)	9.6	96 (363)	42 x 72	2.5" Cast Iron
FCC30C-4272	95-190 (360-720)	65 (246)	95 (360)	190 (720)	100 (379)	9.6	96 (363)	42 x 72	3" Cast Iron
FCC30P-4272	65-190 (246-720)	65 (246)	95 (360)	190 (720)	100 (379)	9.6	96 (363)	42 x 72	3" Composite
FCC20P-4872	85-145 (322-549)	85 (322)	125 (474)	145 (549)	100 (379)	12.6	126 (477)	48 x 72	2" Composite
FCC25C-4872	85-145 (322-549)	85 (322)	125 (474)	120 (455)	125 (474)	12.6	126 (477)	48 x 72	2.5" Cast Iron
FCC30C-4872	120-200 (455-758)	85 (322)	125 (474)	200 (758)	140 (530)	12.6	126 (477)	48 x 72	3" Cast Iron
FCC30P-4872	120-230 (455-871)	85 (322)	125 (474)	230 (871)	140 (530)	12.6	126 (477)	48 x 72	3" Composite
FCC30C-6367	135-205 (511-777)	135 (511)	195 (739)	205 (777)	175 (663)	19.6	196 (742)	63 x 67	3" Cast Iron
FCC30P-6367	135-300 (511-1137)	135 (511)	195 (739)	300 (1137)	195 (739)	19.6	196 (742)	63 x 67	3" Composite
FCC40C-6367	195-318 (739-1205)	135 (511)	195 (739)	400 (1515)	195 (739)	19.6	196 (742)	63 x 67	4" Cast Iron

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# INDUSTRIAL FILTRATION SYSTEMS



## FILTEREASE™ FILTRATION SYSTEMS WITH COMPOSITE TANKS

### SWT FilterEase Filters with COMPOSITE TANKS, 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
FCC30C-6387	120-200 (455-758)	135 (511)	200 (758)	200 (758)	180 (682)	23.8	238 (901)	63 x 87	3" Cast Iron
FCC30P-6387	120-240 (455-909)	135 (511)	240 (909)	240 (909)	225 (852)	23.8	238 (901)	63 x 87	3" Composite
FCC40C-6387	240-400 (909-1515)	135 (511)	240 (909)	400 (1515)	240 (909)	23.8	238 (901)	63 x 87	4" Cast Iron
FCC60C-6387	280-564 (1061-2137)	135 (511)	240 (909)	564 (2137)	280 (1061)	23.8	238 (901)	63 x 87	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 (25 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:** 125 psi (8 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.