METALEASE™ FILTRATION SYSTEMS WITH COMPOSITE TANKS

SWT MetalEase Filters with COMPOSITE TANKS, Aquamatic Diaphragm Valves, Time Initiated Backwash

Part Number	Recommended Flow Range GPM (LPM)	Flow Rate Superior 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
MECC15P-2472	15-45 (57-170)	15 (57)	30 (114)	45 (170)	30 (114)	3.1	45 (170)	24 x 72	1.5" Composite
MECC20P-2472	30-63 (114-239)	15 (57)	30 (114)	63 (239)	30 (114)	3.1	45 (170)	24 x 72	2" Composite
MECC15C-3072	25-75 (95-189)	25 (95)	50 (189)	75 (284)	40 (152)	4.9	75 (284)	30 x 72	1.5" Cast Iron
MECC15P-3072	25-75 (95-189)	25 (95)	50 (189)	75 (284)	50 (189)	4.9	75 (284)	30 x 72	1.5" Composite
MECC20C-3072	50-100 (189-379)	25 (95)	50 (189)	100 (379)	60 (227)	4.9	75 (284)	30 x 72	2" Cast Iron
MECC20P-3072	50-100 (189-379)	25 (95)	50 (189)	100 (379)	50 (189)	4.9	75 (284)	30 x 72	2" Composite
MECC20C-3672	35-105 (133-398)	35 (133)	70 (265)	105 (398)	60 (227)	7.0	105 (398)	36 x 72	2" Cast Iron
MECC20P-3672	35-105 (133-398)	35 (133)	70 (265)	105 (398)	70 (265)	7.0	105 (398)	36 x 72	2" Composite
MECC25C-3672	70-125 (265-474)	35 (133)	70 (265)	125 (474)	70 (265)	7.0	105 (398)	36 x 72	2.5" Cast Iron
MECC30C-3672	70-140 (265-530)	35 (133)	70 (265)	140 (530)	70 (265)	7.0	105 (398)	36 x 72	3" Cast Iron
MECC30P-3672	70-140 (265-530)	35 (133)	70 (265)	140 (530)	75 (284)	7.0	105 (398)	36 x 72	3" Composite
MECC20P-4272	45-145 (170-549)	50 (189)	95 (360)	145 (549)	90 (341)	9.6	145 (549)	42 x 72	2" Composite
MECC25C-4272	45-125 (170-474)	50 (189)	95 (360)	125 (474)	90 (341)	9.6	145 (549)	42 x 72	2.5" Cast Iron
MECC30C-4272	95-192 (360-727)	50 (189)	95 (360)	192 (727)	100 (379)	9.6	145 (549)	42 x 72	3" Cast Iron
MECC30P-4272	45-145 (170-549)	50 (189)	95 (360)	145 (549)	100 (379)	9.6	145 (549)	42 x 72	3" Composite
MECC20P-4872	65-145 (246-549)	65 (246)	125 (474)	145 (549)	100 (379)	12.6	145 (549)	48 x 72	2" Composite
MECC25C-4872	65-120 (246-455)	65 (246)	125 (474)	120 (455)	125 (474)	12.6	190 (720)	48 x 72	2.5" Cast Iron
MECC30C-4872	120-200 (455-758)	65 (246)	125 (474)	200 (758)	140 (530)	12.6	190 (720)	48 x 72	3" Cast Iron
MECC30P-4872	120-230 (455-871)	65 (246)	125 (474)	230 (871)	140 (530)	12.6	190 (720)	48 x 72	3" Composite
MECC30C-6367	100-205 (379-777)	100 (379)	195 (739)	205 (777)	175 (663)	19.6	220 (833)	63 x 67	3" Cast Iron
MECC30P-6367	100-300 (379-1137)	100 (379)	195 (739)	300 (1137)	195 (739)	19.6	300 (1137)	63 x 67	3" Composite
MECC40C-6367	195-318 (739-1205)	100 (379)	195 (739)	400 (1515)	195 (739)	19.6	340 (1288)	63 x 67	4" Cast Iron

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MEMBER Water Quality ASSOCIATION

FORM 1265
EFFECTIVE
OCTOBER 2013

METALEASE™ FILTRATION SYSTEMS WITH COMPOSITE TANKS

SWT MetalEase Filters with COMPOSITE TANKS, Aquamatic Diaphragm Valves, Time Initiated Backwash

Part Number	Recommended Flow Range GPM (LPM)	Flow Rate Superior 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
MECC30C-6387	120-200 (455-758)	100 (379)	200 (758)	200 (758)	180 (682)	23.8	300 (1137)	63 x 87	3" Cast Iron
MECC30P-6387	120-240 (455-909)	100 (379)	240 (909)	240 (909)	225 (852)	23.8	420 (1591)	63 x 87	3" Composite
MECC40C-6387	240-400 (909-1515)	100 (379)	240 (909)	400 (1515)	240 (909)	23.8	420 (1591)	63 x 87	4" Cast Iron
MECC60C-6387	280-564 (1061-2137)	100 (379)	240 (909)	564 (2137)	280 (1061)	23.8	500 (1894)	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

- 5 to 10 gpm/sq.ft. = Superior filtration (20 to 40 micron nominal) with less than 5 to 10 psi pressure drop
- 10 to 15 gpm/sq.ft. = High quality filtration (40 to 100 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 20 to 25 gpm/sq.ft. However, allow backwash variations to as low as 15 gpm/sq.ft. for valve sizes, pipe sizes, pump sizes, water availability, and unique applications.

Backwash Rates allow up to 5 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: 150 psi (10 bar)

Maximum Temperature: 140°F (60°C)

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