Fiberglass Tank Water Softeners

SOFTMATCH 200 Series

INTRODUCTION

The Softmatch 200 Series Water Softener is designed specifically to remove high levels of dissolved solids that create hard - water conditions, principally Calcium and Magnesium. This system has a greater commercial operating capacity, suitable for commercial & industrial

STANDARD FEATURES

- 110V/1 Ph/60Hz
- Time clock - 7 day (specify for a 12 - day time clock)
- Valve designer cover
- Fiberglass, seamless non-metallic mineral tank
- All brass, motor driven control valve with fully adjustable regeneration cycles
- Self-adjusting backwash controller
- Timed brine refill control
- High exchange capacity polystyrene resin
- Rigid polyethylene brine tank with safety brine valve and dust tight cover
- Complete set of brine line polytubing

OPTIONAL FEATURES

A. SINGLE TANK:

1. Meter control option: add "M" after the model # (example: 25F01260-M)
   A) All meters supplied with extended range. For standard range, please specify.
   B) All meters supplied with delayed regeneration (when meter zeroes out, unit remains in service until 2:00 a.m. then regenerates automatically). For immediate regeneration (when meter zeroes out unit goes immediately into regeneration), please specify.
2. 220V/1 Ph/50Hz.
3. No hard water bypass.
4. Additional micro switch for electrical interlock.

B. TWIN TANK:

Twin system supplied with two mineral tanks and one brine tank, and system 7-alternating metered control (one unit is on stand-by and all other units are in service. When meter zeroes out, the stand -by unit goes into service, and one of the units in service goes into a regeneration cycle).

1. System 5- interlock wiring:
   All units in service at the same time. When one meter zeroes out, that unit starts regeneration. Other units remain in service even if they zero out during this time.
2. System 6- series wiring:
   All units in service at the same time. The remote reset meter monitors the entire system's capacity. When meter zeroes out, the " lead " unit regenerates. Upon returning to service, subsequent units regenerate as needed.
3. 220V/1 Ph/50Hz.
4. Additional micro switch for electrical interlock.
5. Diaphragm valves & solenoid valves.

EnviroMatch, Inc.®

Water and Wastewater Treatment Systems

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Model No.	Exchange Capacity (Grains)		Pipe Size (Inch)	Meter Size (Inch)	Service Flow Rates (GPM)		Back Wash Flow Rate (GMP)	Resin Vol. (Cu. Ft)	Tank Size (Inch)		Salt Storage (lbs)	Dimensions		
	At 15#/Cu.Ft	At 6#/Cu.Ft			Average (1)	Peak (2)			Softener	Brine		L	W	H
SM2-25F01260	60,000	40,000	3/4	3/4	14	19	3.5	2.0	12X52	22.5X34	210	41	23	60
SM2-27F01260			1	1	18	24								60
SM2-28F01260			1.5	1	24	37								60
SM2-29F01260			2	2	28	49								65
SM2-25F01375	75,000	50,000	3/4	3/4	13	18	4.0	2.5	13X54	22.5X34	263	42	23	61
SM2-27F01375			1	1	18	24								61
SM2-28F01375			1.5	1	29	40								61
SM2-29F01375			2	2	37	52								67
SM2-25F01490	90,000	60,000	3/4	1	15	20	5.0	3.0	14X65	22.5X34	315	43	23	71
SM2-27F01490			1	1	19	26								71
SM2-28F01490			1.5	1	27	40								71
SM2-29F01490			2	2	37	54								77
SM2-27F16120	120,000	80,000	1	1	20	27	7.0	4.0	16X65	24X48	420	46	25	71
SM2-28F16120			1.5	1	33	45								71
SM2-29F16120			2	2	47	64								77
SM2-27F18150	150,000	100,000	1	1	21	28	9.0	5.0	18X65	24X48	525	48	25	74
SM2-28F18150			1.5	1.5	37	49								74
SM2-29F18150			2	2	56	78								79
SM2-27F21180	180,000	120,000	1	1	21	28	12.0	6.0	21X62	24X48	630	51	25	74
SM2-28F21180			1.5	1.5	40	54								74
SM2-29F21180			2	2	63	81								79
SM2-27F21210	210,000	140,000	1	1	20	27	12.0	7.0	21X62	24X48	525	51	25	76
SM2-28F21210			1.5	1.5	39	52								76
SM2-29F21210			2	2	60	77								82
SM2-28F24240	240,000	160,000	1.5	1.5	42	56	15.0	8.0	24X72	24X48	480	54	25	81
SM2-29F24240			2	2	74	97								86
SM2-39F24240			3	3	107	170								92
SM2-28F24300	300,000	200,000	1.5	1.5	40	54	15.0	10.0	24X72	24X48	450	54	25	81
SM2-29F24300			2	2	68	91								86
SM2-39F24300			3	3	120	170								92
SM2-28F30450	450,000	300,000	1.5	1.5	44	58	25.0	15.0	30X72	31X48	675	67	32	87
SM2-29F30450			2	2	84	105								93
SM2-39F30450			3	3	158	212								96
SM2-31F36600	600,000	400,000	2	2	78	107	35.0	20.0	36X72	42X48	900	84	43	93
SM2-39F36600			3	3	185	250								98
SM2-31F42750	750,000	500,000	2	2	86	113	50.0	25.0	42X72	42X48	1125	90	43	95
SM2-39F42750			3	3	186	246								100
SM2-31F42900	900,000	600,000	2	2	84	118	50.0	30.0	42X72	48X48	1350	96	49	95
SM2-39F42900			3	3	200	268								100
SM2-31F481050	1,050,000	700,000	2	2	83	109	50.0	35.0	48X72	48X48	1575	102	49	101
SM2-39F481050			3	3	166	240								106
SM2-31F481200	1,200,000	800,000	2	2	88	116	70.0	40.0	48X72	48X48	1800	102	49	101
SM2-39F481200			3	3	213	280								106

* Specifications are subject to change without notice

Metric Units	Flowrate (m^3/hr) = GPM / 4.4	Resin (m^3) = ft^3 / 35.3	Weight (Kg) = lbs / 2.2	Dimensions (mm) = inch x 25.4

(1) @15 PSI Pressure Loss
(2) @25 PSI Pressure Loss

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