Residential Water Softeners

Top Mounted FRP Tanks: 7” to 24” Diameter

SF-500F SERIES

The SF-500F Series Water Softener is designed specifically to remove high levels of dissolved solids that create “hard water” conditions, principally Calcium and Magnesium.

These systems provide an economical solution for treating scale build-up in home appliances such as water heaters, washing machines, coffee makers, dish washers, and humidifiers. They also eliminate the soap scum build-up in sinks and showers.

Standard Features

- 7 day time clock
- Premium fiberglass mineral tank
- Fully automatic motorized piston control valve
- Self-adjusting backwash controller
- Flow controller to limit backwash flow
- Timed brine refill control
- High exchange capacity polystyrene resin
- Brine tank with safety brine valve, dust cover, and tubing

Available Options

- 12 day time clock/metered
- Standard or extended range meter
- ASME coded tanks
- Epoxy lined or galvanized steel tanks
- 240V/1Ph/50Hz power supply
- Additional micro switch for interlock
- Inline hardness monitor
- Stainless steel of PVC jacket
- 3/4”, 1” or 1-1/4” bypass
- Salt grid plate
- Turbulator
- Mixing valve

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Top Mounted FRP Tanks: 7” to 24” Diameter

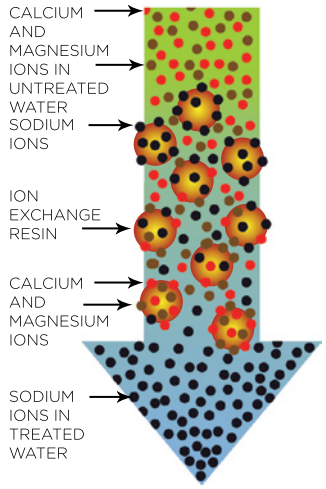
SF-500F SERIES

Operating Specifications

- Electrical supply: 115V/1Ph/60Hz
- Operating pressure: 30 - 125 psi (2 - 8.5 bar)
- Operating temperature: 35 - 100°F (2 - 38°C)

Applications

- Hotels and Motels
- Schools
- Apartment Buildings
- Restaurants
- Office Buildings
- Factories
- Laundries
- Car Washes
- Beauty Shops
- Boiler Feed Water



Model #	Exchange Capacity @ 15lbs/cu.ft. (grains)		Flow Rate (GPM)			Valve & Pipe Size	Resin Qty. (ft^3)	Tank Size (inch)		Salt Storage (lbs)	Shipping Weight (lbs)
			Service		Back-wash						
	Max	Min	Avg.	Peak				Softener	Brine		
5600 Control- 3/4” Pipe Size											
56F715	15,000	10,000	8	17	1.2	3/4”	0.5	7x44	18x33	400	70
56F822	22,000	15,000	9	17	1.5	3/4”	0.75	8x44	18x33	400	85
56F930	30,000	20,000	9.5	17	2	3/4”	1	9x48	18x33	400	100
56F1045	45,000	33,000	9.5	17	2	3/4”	1.5	10x54	18x33	400	140
56F1260	60,000	40,000	10	17	3.5	3/4”	2	12x52	18x40	500	185
56F1375	75,000	50,000	11	17	4	3/4”	2.5	13x54	18x40	500	195
56F1490	90,000	60,000	12	17	5	3/4”	3	14x65	18x40	500	290
7000 Control- 3/4”- 1 1/2” Pipe Size											
70F715	15,000	10,000	8	30	1.2	3/4”	0.5	7x44	18x33	400	75
70F822	22,000	15,000	9	30	1.5	3/4”	0.75	8x44	18x33	400	90
70F930	30,000	20,000	9.5	30	2	3/4”	1	9x48	18x33	400	105
70F1045	45,000	33,000	9.5	30	3	3/4”	1.5	10x54	18x33	400	145
70F1260	60,000	40,000	10	30	3.5	1”	2	12x52	18x40	500	190
70F1375	75,000	50,000	11	30	4	1”	2.5	13x54	18x40	500	200
70F1490	90,000	60,000	12	30	5	1”	3	14x65	24x50	1,000	295
70F16120	120,000	80,000	14	30	7	1”	4	16x65	24x50	1,000	345
70F18150	150,000	100,000	16	30	9	1-1/2”	5	18x65	24x50	1,000	415
70F21210	210,000	140,000	20	30	12	1-1/2”	7	21x62	24x50	1,000	544
70F24300	300,000	200,000	24	30	15	1-1/2”	10	24x72	24x50	1,000	756

*All filters require periodic backwashing to dispose of the accumulated debris. This is accomplished by backwashing clean water through the unit and then disposing of the effluent. During this phase, the different sizes of media separate into layers, preparing the filter bed for service. Because backwashing generally occurs at higher flow rates than those seen in service, oftentimes a proper backwash flow rate is not possible because the systems are designed for required service flow rates. However, by utilizing smaller double or triple unit systems, the optimum backwash flow rate is lower; therefore, these systems operate at higher service flow rates.

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