

Commercial Water Softeners

Steel Tanks: 14" to 60" Diameter

SF-150S

SERIES

Pure Aqua's water softeners remove hardness in exchange for salt. The resin attracts hardness in the water and exchanges it with salt, which is regenerated periodically. As the resin accumulates more hardness, the system must be regenerated using a brine solution. This rinses away the hardness and replenishes salt on the surface of the resin. The softened water can then pass through an RO system to remove the salt without the risk of scaling.



Standard Features

- 7 day time clock
- Epoxy lined steel tank, outer primer coat
- All brass, motor driven control valve with fully adjustable regeneration cycles
- Self-adjusting backwash controller
- Flow controller to limit backwash flow
- Timed brine refill control
- High exchange capacity polystyrene resin
- Brine tank with safety valve, cover, and tubing

Operating Specifications

- Electrical supply: 115V/1Ph/60Hz
- Operating pressure: 25-100psi (1.73-6.9 bar)
- Operating temperature: 41-122°F (5-50°C)

Available Options

- 12 day time clock
- Meter control
- Tanks according to ASME code
- FRP or galvanized steel tanks
- Stainless steel tanks
- 240V/1Ph/50Hz power supply
- Additional micro switch for interlock
- Twin or Duplex systems
- Inlet / Outlet sample valves
- Inlet / Outlet pressure gauges
- Hot water applications
- Nitrate removal systems

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Model #	Exchange Capacity	Flow Rate (GPM)			Pipe Size		Resin Qty. (ft ³)	Tank Size (inch)		Salt Storage (lbs)	Shipping Weight (lbs)
		Service		Back-wash	Serv.	Drain		Softener	Brine		
		Cont.	Peak								
27F1490-ST	90,000	19	26	5	1"	1"	3	14x60	24x50	750	256
28F1490-ST		29	40		1.5"	1.5"					263
29F1490-ST		37	54		2"	2"					276
27F16120-ST	120,000	20	27	7	1"	1"	4	16x60	24x50	750	315
28F16120-ST		33	45		1.5"	1.5"					322
29F16120-ST		47	64		2"	2"					335
27F18150-ST	150,000	21	28	9	1"	1"	5	18x60	24x50	750	415
28F18150-ST		37	49		1.5"	1.5"					422
29F18150-ST		56	78		2"	2"					435
27F20180-ST	180,000	21	28	12	1"	1"	6	20x60	24x50	750	600
28F20180-ST		40	54		1.5"	1.5"					650
29F20180-ST		63	81		2"	2"					815
27F20210-ST	210,000	21	27	12	1"	1"	7	20x60	24x50	750	600
28F20210-ST		40	54		1.5"	1.5"					650
29F20210-ST		63	81		2"	2"					815
28F24240-ST	240,000	42	56	15	1.5"	1.5"	8	24x60	24x50	1,000	800
29F24240-ST		74	97		2"	2"					850
39F24240-ST		107	170		3"	3"					900
28F24300-ST	300,000	42	56	15	1.5"	1.5"	10	24x72	24x50	1,000	800
29F24300-ST		74	97		2"	2"					850
39F24300-ST		107	170		3"	3"					900
28F30450-ST	450,000	44	58	25	1.5"	1.5"	15	30x60	30x50	1,200	1,205
29F30450-ST		84	105		2"	2"					1,255
39F30450-ST		158	212		3"	3"					1,305
29F36600-ST	600,000	85	105	35	2"	2"	20	36x60	30x50	1,500	1,550
31F36600-ST		88	107		2"	2"					1,600
39F36600-ST		185	250		3"	3"					1,650
31F42750-ST	750,000	90	118	50	2"	2"	25	42x60	50x60	4,500	2,300
39F42750-ST		200	268		3"	3"					2,350
31F42900-ST	900,000	90	118	50	2"	2"	30	42x72	50x60	4,500	2,650
39F42900-ST		200	268		3"	3"					2,700
31F481050-ST	1,050,000	95	116	70	2"	2"	35	48x60	50x60	4,500	3,300
39F481050-ST		213	280		3"	3"					3,350
31F481200-ST	1,200,000	95	116	70	2"	2"	40	48x72	50x60	4,500	3,350
39F481200-ST		213	280		3"	3"					3,400
39F541500-ST	1,500,000	217	290	70	3"	3"	50	54x60	50x60	4,500	3,500
39F541800-ST	1,800,000	217	290	70	3"	3"	60	54x72	50x60	4,500	3,600
39F602100-ST	2,100,000	220	300	70	3"	3"	70	60x72	50x60	4,500	4,200

Pure Aqua also supplies: Custom Engineered Solutions, Multimedia Pretreatment, Activated Carbon Pretreatment, Chemical Dosing Systems, Ultraviolet (UV) Sterilizers and Ozonation Systems.

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