Commercial Water Softeners

Top Mounted FRP Tanks: 7” to 63” Diameter

SF-300C SERIES

Pure Aqua’s water softeners treat the water by removing hardness using resin. The resin replaces the hardness in the water with salt, which is regenerated periodically.

The softened water can then pass through an RO system to remove the salt without the risk of scaling. Softeners can be used in a variety of services including: industrial, municipal, and institutional applications.

Standard Features

- 7 day time clock
- Premium fiberglass mineral tank
- Automatic 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
- Rigid polyethylene brine tank with safety brine valve, dust cover, and tubing

Available Options

- 12 day time clock
- Meter control
- Epoxy lined or galvanized steel tanks
- 240V/1Ph/50Hz power supply
- Additional micro switch for interlock
- Inlet / Outlet sample valves
- Inlet / Outlet pressure gauges
- Twin or Duplex systems
- Diaphragm valves
- ASME coded tanks
- Stainless steel tanks
- Interlock wiring
- Hot water applications
- Nitrate removal systems
- Vacuum breaker

Operation Specifications

- Electrical supply: 115V/1Ph/60Hz
- Operating pressure: 25 - 125 psi (1.73 - 8.6 bar)
- Operating temperature: 35 - 100°F (2 - 38°C)

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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)
		Avg.	Peak	Backwash			Softener	Brine		
100C715S	15,000	9	17	1.2	1”	0.5	7x44	18x33	350	70
100C822S	22,000	9	17	1.5	1”	0.75	8x44	18x33	350	85
100C930S	30,000	9.5	17	2	1”	1	9x48	18x33	350	100
100C1045	45,000	10	17	2	1”	1.5	10x54	18x33	350	140
100C1260S	60,000	18	24	3.5	1”	2	12x52	18x40	400	176
150C1260S		24	37		1.5”					182
200C1260S		28	49		2”					196
100C1375S	75,000	18	24	4	1”	2.5	13x54	18x40	400	215
150C1375S		29	40		1.5”					221
200C1375S		37	52		2”					235
125C1490S	90,000	19	26	5	1.25”	3	14x65	24x50	750	251
150C1490S		27	40		1.5”					257
200C1490S		37	54		2”					271
125C16120S	120,000	20	27	7	1.25”	4	16x65	24x50	750	310
150C16120S		33	45		1.5”					316
200C16120S		47	64		2”					330
125C18150S	150,000	21	28	9	1.25”	5	18x65	24x50	750	393
150C18150S		37	49		1.5”					399
200C18150S		56	78		2”					413
125C21210S	210,000	21	28	12	1.25”	7	21x62	24x50	750	543
150C21210S		40	54		1.5”					549
200C21210S		63	81		2”					563
150C24300S	300,000	42	56	15	1.5”	10	24x72	24x50	750	874
200C24300S		74	97		2”					888
300C24300S		107	170		3”					948
150C30450S	450,000	44	58	25	1.5”	15	30x72	30x50	1,500	1,314
200C30450S		84	105		2”					1,328
300C30450S		158	112		3”					1,388
200C36600S	600,000	85	105	35	2”	20	36x72	30x50	1,500	1,716
300C36600S		185	250		3”					1,770
200C42900S	900,000	90	113	50	2”	30	42x72	50x60	4,500	2,914
300C42900S		200	268		3”					2,968
200C481200S	1,200,000	95	116	70	2”	40	48x72	50x60	4,500	3,466
300C481200S		213	280		3”					3,520
300C631800S	1,800,000	220	300	70	3”	60	63x86	50x60	4,500	5,040

*For twin models: add suffix “T” after model number.
*All softeners require periodic regeneration to reactivate the resin and replenish its salt concentration. This is accomplished by doing a brine draw from the brine tank and running it through the tank for a set period of time. During this phase, the resin will release its hardness and exchange it with salt from the brine tank. Because regeneration generally occurs at higher flow rates than those seen in service, oftentimes a proper regeneration flow rate is not possible because the systems are designed for required service flow rates.

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

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