



Where NATURE & SCIENCE meet.™



## “LF” Series Commercial Water Softeners

Water Control “LF” Series softeners feature 2” service connections, heavy duty brass valves, non-corrosive high-strength fiberglass mineral tanks, timed brine refill, and long-lasting synthetic cation resin. This series is perfectly designed for apartments, hotels, schools, hospitals, prisons, laundries, industrial facilities, and cooling towers. Available options include single, twin, triplex, and quad systems, steel resin tanks, progressive service, brine reclamation, and Accu-Pipe skid systems.

“LF” Series Sizing (1):

Model	Exchange Capacity* (Grains) Salt Setting			Valve Size	Cv1	Flow Rate (gpm)			Pipe Size (inches)		Back Wash (gpm)	Resin (Cubic Ft)	Brine Tank Capacity (lbs)	Regen. Time (min)	Tank Size (inches)		Approx Ship Weight (lbs)
	MIN (2)	MID (3)	MAX (4)			7psid	Cont: 15psid	Peak(5) 25psid	Service	Drain					Resin	Salt	
LF-90	63000	90000	96000	2"	11.0	29.1	40	55	2	3/4	5	3	670	90	14 X 65	24 X 48	300
LF-120	84000	120000	128000	2"	12.8	33.9	47	64	2	3/4	7	4	640	92	16 X 65	24 X 48	360
LF-150	105000	150000	160000	2"	12.0	31.8	44	60	2	3/4	7	5	600	94	16 X 65	24 X 48	425
LF-150X	105000	150000	160000	2"	15	39.7	58	75	2	3/4	7	5	600	90	21 X 62	24 X 48	450
LF-180	126000	180000	192000	2"	16.4	43	64	82	2	1	12	6	590	90	21 X 62	24 X 48	475
LF-210	147000	210000	224000	2"	15.6	41	60	78	2	1	12	7	560	92	21 X 62	24 X 48	520
LF-240	168000	240000	256000	2"	19.4	51.3	74	97	2	1	15	8	520	94	24 X 72	24 X 48	675
LF-300	210000	300000	320000	2"	18.2	48.2	68	91	2	1	15	10	490	96	24 X 72	24 X 48	850
LF-360	252000	360000	384000	2"	21.6	57.1	88	108	2	1	25	12	850	116	30 X 72	30 X 48	1100
LF-450	315000	450000	480000	2"	21.0	55.6	84	105	2	1	25	15	760	120	30 X 72	30 X 48	1250
LF-600	420000	600000	640000	2"	22.0	58.2	90	110	2	1	30	20	1550	132	36 X 72	39 X 48	1600

**(1) For twin tank, triplex, and quad systems, Cv rates, flow rates, and resin quantities should be doubled, tripled, or quadrupled respectively.**

(2) Based on 6 lbs salt per cubic foot.

(3) Based on 10 lbs salt per cubic foot.

(4) Based on 15 lbs salt per cubic foot.

(5) Operation at peak flow is not recommended for extended periods.

• All “LF” Series softeners utilize series 2900 controllers, pre-wired with 3-prong connectors, 120 VAC, 60HZ, 5 Amps or less. (One G.F.I. outlet is required for each resin tank in system).

\* Exchange capacity based on treating water with 10 gpg total hardness as CaCo3 and 400 ppm total dissolved solids. Capacities may vary with different influent water characteristics and other factors. Due to varying water conditions, tank sizes and water pressures, the above should only be used as a guideline.

**With over 35 years of experience in the water conditioning and plumbing industries, Water Control can design and manufacture equipment for virtually any application. We offer complete service including hardness testing, sizing, CAD™ or Revit™ drawings, delivery, setup, startup, and refurbishment. We maintain a unique focus on mechanical engineers, contractors, and the plumbing industry. Depend on us to provide quality, innovative solutions for all your commercial water conditioning needs.**

# How to Specify "LF" Series Softeners:

**Order Code:** LF -  -  -  -- (Other Options Listed Below)

**Model (From other side)**

## System Size

Single tank	(blank)	
Two tank	Twin	
Three tank	Triplex	
Four tank	Quad	

## Regeneration Control

Mechanical meter	MR	
Time clock	TC	

## Additional Options:

- Progressive Service: Adds and removes tanks from service based on flow demand.
- Brine Reclamation: Re-uses brine solution for significant salt savings.
- Steel Tank(s) (Optional ASME Rating).
- Accu-Pipe Skid-Mounted System (pre-plumbed, pre-wired systems mounted on heavy-duty skid).
- Specialty Filters: Call for details.

## Sample Specification:\*

Water softener shall be model \_\_\_\_\_, as manufactured by Water Control Corporation. Each softener tank shall contain \_\_\_\_\_ cu. ft. of cation resin and have a capacity of \_\_\_\_\_ grains of hardness when regenerated with \_\_\_\_\_ lbs. of salt. The control valve shall be of brass construction, top mounted, and have a five cycle regeneration sequence of:

- 1) Backwash
- 2) Brine and slow rinse
- 3) Rapid rinse
- 4) Brine tank refill
- 5) Service

Softener tank shall be constructed of non-corrosive fiberglass and be rated for an operation pressure of 150 psi.

Unit shall have a one (1) year warranty on softener tank(s), brine tank(s), and controls. All epoxy-lined steel tanks shall have a two (2) year limited warranty. See complete warranty for details.

\*For a more detailed, model-specific specification, please contact Water Control Corporation.

Detailed drawings also available upon request (CAD™ or Revit™).