

# LF SERIES

## WATER SOFTENERS

WCC's "LF" Series softeners feature 2" service connections, heavy duty electronic control valves, high-strength fiberglass-reinforced mineral tanks, and long-lasting synthetic cation resin. This series is perfectly designed for apartments, hotels, schools, hospitals, restaurants, commercial laundry, industrial facilities, and cooling towers. Available options include single, twin, triplex, and quad systems, as well as 5-8 tank "XL" configurations. Steel resin tanks, progressive service, brine reclamation, and Accu-Pipe skid systems are also available.



### SPECIFICATIONS

Model Series Number	Exchange Capacity* (grains)			Valve Size (in)	Cv	Flow Rate (GPM)			Pipe Size (in)		Back Wash (GPM)	Resin (cu.ft.)	Brine Tank Capacity (lbs)	Regen. Time (min)	Tank Size (in)		Approx. Ship Weight (lbs)
	Min <sup>1</sup>	Mid <sup>2</sup>	Max <sup>3</sup>			7 psid	Cont. 15 psid	Peak 25 psid	Service	Drain					Resin	Salt	
LF-90	69000	81000	90000	2	11	29	40	55	2	3/4	5	3	650	90	14 X 65	24 X 50	350
LF-120	92000	108000	120000	2	12.8	34	47	64	2	3/4	7	4	650	92	16 X 65	24 X 50	400
LF-150	115000	135000	150000	2	12	32	44	60	2	3/4	5	5	625	94	16 X 65	24 X 50	450
LF-150X	115000	135000	150000	2	15.5	41	60	78	2	1	8	5	625	96	18 x 65	24 X 50	475
LF-180	138000	162000	180000	2	16.4	43	64	82	2	1	12	6	600	90	21 X 62	24 X 50	625
LF-210	161000	189000	210000	2	15.6	41	60	78	2	1	10	7	575	92	21 X 62	24 X 50	675
LF-240	184000	216000	240000	2	19.4	51	74	97	2	1	15	8	550	94	24 X 72	24 X 50	750
LF-300	230000	270000	300000	2	18.2	48	68	91	2	1	12	10	500	96	24 X 72	24 X 50	875
LF-360	276000	324000	360000	2	21.6	57	88	108	2	1	25	12	800	116	30 X 72	30 X 50	1200
LF-450	345000	405000	450000	2	21	56	84	105	2	1	20	15	725	120	30 X 72	30 X 50	1375
LF-600	460000	540000	600000	2	22	58	90	110	2	1	30	20	1350	132	36 X 72	39 X 48	1850

- FOR TWIN TANK, TRIPLEX AND QUAD SYSTEMS, CV RATNGS, EXCHANGE CAPACITIES, FLOW RATES AND RESIN QUANTITIES SHOULD BE DOUBLED, TRIPLED, OR QUADRUPLED RESPECTIVELY.

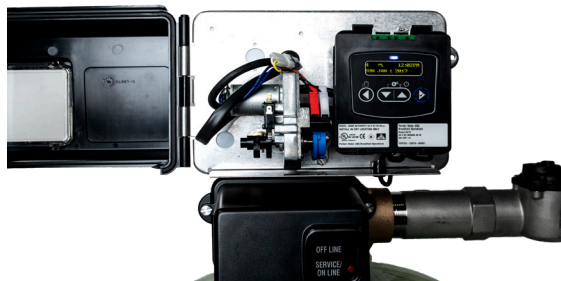
<sup>1</sup> Based on 7 lbs salt per cubic foot.

<sup>2</sup> Based on 10 lbs salt per cubic foot.

<sup>3</sup> Based on 13 lbs salt per cubic foot.

All "LF" Series softeners utilize series 2900 NXT2 controllers.

\* 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.



### ADVANCED CONTROLLER

- Real-time diagnostics  
Flow rates, totalizer, capacity, avg. usage, alarm history, and more
- Remote input for forced regeneration and regeneration lockout
- 2 programmable relays for auxiliary equipment, BAS indication, remote alarms, etc.

**WITH OVER 50 YEARS OF EXPERIENCE IN THE WATER CONDITIONING AND PLUMBING INDUSTRIES,** WCC CAN DESIGN AND MANUFACTURE EQUIPMENT FOR VIRTUALLY ANY APPLICATION. WE OFFER A COMPLETE MENU OF SERVICES, INCLUDING WATER TESTING, SYSTEM SIZING, BIM MODELING (REVIT®), DELIVERY, SETUP, STARTUP, AND AFTER-MARKET SERVICE PLANS. 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:



### MODEL (from other side)

### SYSTEM SIZE

- Single Tank: **SIMPLEX (MR)**
- Two Tank: **TWIN**
- Two Tank (Alternating): **TWIN - ALT**
- Three Tank: **TRIPLEX**
- Four Tank: **QUAD**

**NOTE:** 5-8 Tank “XL” systems available.  
Contact WCC for details.

### Additional Options: (check options below)

- Progressive Service: Adds and removes tanks from service, based on flow demand
- Brine Reclamation: Re-uses brine solution for significant salt savings (approx 30%)
- Steel Tank(s) (optional ASME Rating)
- Accu-Pipe Skid-Mounted System (pre-plumbed\*, pre-wired system, mounted on heavy-duty powder-coated steel skid)
- Accu-Pipe LS: Same as Accu-Pipe System, less skid base (piping/wiring only)
- Brine Silo (large volume salt storage / brine generation & delivery system)
- Salt Sock and Access Door (lockable) for blow-in salt delivery

\*Standard piping is grooved, type L copper, other materials available

For a detailed, model-specific specification, please contact WCC (Water Control Corporation). Detailed drawings also available upon request (CAD® or Revit®).

Water softening system requires a minimum inlet water pressure of 30 psig and maximum of 120 psig. If resin tank is subject to vacuum, an adequate vacuum relief valve must be properly installed. Tank warranty is void if subjected to vacuum. Feed water temperature shall be between 40°F and 100°F. Each control valve requires a 120 volt wall outlet (2-prong, 1.3FLA, 60Hz).



CONTACT YOUR LOCAL  
SALES REPRESENTATIVE

To find your authorized WCC representative,  
please visit: [www.watercontrolinc.com/  
representative-locator/](http://www.watercontrolinc.com/representative-locator/).



VISIT US ONLINE

Go to [www.watercontrolinc.com](http://www.watercontrolinc.com), where  
you'll find detailed product specification  
info and application design questionnaires.



SPEAK DIRECTLY WITH ONE OF  
WCC'S DESIGN ENGINEERS

Call 1-866-405-1268 or email  
[techsupport@watercontrolinc.com](mailto:techsupport@watercontrolinc.com).

*We look forward to working with you!*

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