

# LF SERIES

## WATER SOFTENERS

Water Control “LF” Series softeners feature 2” service connections, heavy duty electronic control valves, non-corrosive high-strength fiberglass 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 liquid systems are also available.



### SPECIFICATIONS

Model Series Number	Exchange Capacity* (grains)			Cv	Flow Rate (gpm)			Pipe Size (inches)		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	63000	90000	96000	11	29	40	55	2	3/4	5	3	670	90	14 X 65	24 x 50	300
LF-120	84000	120000	128000	12.8	34	47	64	2	3/4	7	4	640	92	16 X 65	24 x 50	360
LF-150	105000	150000	160000	12	32	44	60	2	3/4	7	5	600	94	16 X 65	24 x 50	425
LF-150X	105000	150000	160000	15.5	41	60	78	2	3/4	9	5	590	96	18 x 65	24 x 50	430
LF-180	126000	180000	192000	16.4	43	64	82	2	1	12	6	590	90	21 X 62	24 x 50	475
LF-210	147000	210000	224000	15.6	41	60	78	2	1	12	7	560	92	21 X 62	24 x 50	520
LF-240	168000	240000	256000	19.4	51	74	97	2	1	15	8	520	94	24 X 72	24 x 50	675
LF-300	210000	300000	320000	18.2	48	68	91	2	1	15	10	490	96	24 X 72	24 x 50	850
LF-360	252000	360000	384000	21.6	57	88	108	2	1	25	12	850	116	30 X 72	30 x 50	1100
LF-450	315000	450000	480000	21	56	84	105	2	1	25	15	760	120	30 X 72	30 x 50	1250
LF-600	420000	600000	640000	22	58	90	110	2	1	30	20	1550	132	36 X 72	39 x 48	1600

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

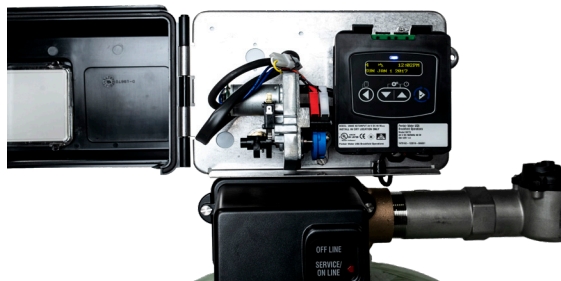
<sup>1</sup> Based on 6 lbs salt per cubic foot.

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

<sup>3</sup> Based on 15 lbs salt per cubic foot.

All “LF” Series softeners utilize series 2900 NXT2 controllers, pre-wired with 3-prong connectors, 120 VAC, 60 Hz, 5 Amps or less (One G.F.I. wall 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.



### 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 45 YEARS OF EXPERIENCE IN THE WATER CONDITIONING AND PLUMBING INDUSTRIES,** WATER CONTROL 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 Water Control 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

### Specialty Filter Options: (check options below)

- Carbon
- Tannin
- Acid Neutralizer (Calcite)
- Dealkalizer
- Additional media options available, call for details

\*For a detailed, model-specific specification, please contact 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 GFCI wall outlet.

We have team members throughout the US and Canada who are ready to serve you.

To get started, please talk with your local sales representative, or contact our Technical Support Department: 1-866-405-1268 or techsupport@watercontrolinc.com

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