

## LC-SERIES WATER CONDITIONERS

# LIGHT COMMERCIAL

*Water-Right's Light Commercial Series Water Conditioners are engineered to be highly effective in light commercial applications. The LC Series equipment offers capacities between 50,000 and 300,000 grains and flow rates to 54 GPM. The LC Series can also provide for excellent iron, manganese and pH correction if needed. A solid brass control valve along with advanced controller options provides for dependable, trouble-free operation.*

### IDEAL FOR:

- Restaurants
- Convenience Stores
- Apartments
- Condominiums
- Larger Homes
- Small Schools
- Car Washes



Above photo shows the 1" and 1.5" LC-Series Systems

### CONTROL VALVE

The LC-Series valve achieves optimum performance using a teflon-coated, lead-free, solid brass piston and corrosion-resistant spacers and seals. This piston design offers long-term operation with minimal maintenance. Tight tolerances and precision machining optimize piston performance, even in challenging environments.

### REGENERATION CONTROL

Water-Right offers you a choice of controls to meet the regeneration requirements of any application. Choose from electronic or mechanical demand regeneration activation. Controls are fully adjustable and easy to operate. The LC-Series control operates all steps of regeneration for single tank configurations, including backwash, downflow brining and slow rinse, rapid rinse, brine refill and downflow service.

### MEDIA TANK

All Water-Right commercial grade media tanks are constructed with non-corrosive fiberglass. These quality fiberglass tanks are NSF approved and are rated for 150 psi operating pressures and environments up to 120°.

### SOFTENING MEDIA

All Water-Right water conditioners are offered with three different media options capable of handling all softening needs, from the simple to the most challenging water conditions. The media options include:

**Resin** — a high capacity sulfonated polystyrene media capable of handling common hard water conditions.

**Crystal-Right CR100™** — crystal media highly effective in reducing hardness, iron and manganese and raising pH levels of acidic water.

**Crystal-Right CR200™** — silica crystal media highly effective in reducing hardness, iron and manganese in a single process.

### BRINE TANK

This durable brine tank is made of high-density polyethylene to resist corrosion and puncture. Larger tanks are available on all commercial systems. Safety floats standard on all tanks. Salt grids are optional.

### CHLORINE REGENERATION

Eliminate iron and sulfur bacteria in the media bed with this automated, in-line chlorine generator. Available only on Crystal-Right media systems. Call for more details.

### Features

- Flow rates up to 54 GPM
- Capacity up to 300K grains
- Pipe sizes 1" – 1.5"
- Safety brine shutoff

### Options

- Mechanical or electronic meter
- 7 or 12 day initiated regeneration
- Sanitizing chlorinating feature
- No raw water by-pass
- Choice of media for hardness, iron, manganese, and pH correction
- Larger brine tanks, safety floats and salt grids available
- Multi-tank configurations
- ASME approved tanks

## System Specifications

	Model Number	Type of Media	Pipe Size	Maximum Capacity/ Lbs of Salt	Medium Capacity/ Lbs of Salt	Minimum Capacity/ Lbs of Salt	Iron & Mang. Capacity <sup>1</sup>	pH Capacity <sup>2</sup>	Peak Flow Rate	Continuous Flow Rate	Mineral Quantity (Cu. Ft.)	Backwash Rate <sup>3</sup> (GPM)
									@25 PSI Pressure Drop	@15 PSI Pressure Drop		
LCR	1354-A	Resin	1"	75,000 / 38	65,000 / 23	50,000 / 15	1	7	18	25	2.5	3.5
	1354-B		1.5"						40	29		
	1465-A	Resin	1"	90,000 / 45	78,000 / 27	60,000 / 18	1	7	26	19	3	5
	1465-B		1.5"						42	30		
	1665-A	Resin	1"	120,000 / 60	104,000 / 36	80,000 / 24	1	7	27	20	4	6
	1665-B		1.5"						45	33		
	1865-A	Resin	1"	150,000 / 75	130,000 / 45	100,000 / 30	1	7	27	20	5	8
	1865-B		1.5"						48	35		
	2162-A	Resin	1"	210,000 / 105	182,000 / 63	140,000 / 42	1	7	27	20	7	12
	2162-B		1.5"						52	39		
2471-A	Resin	1"	300,000 / 150	260,000 / 90	200,000 / 60	1	7	28	21	10	15	
2471-B		1.5"						54	41			
LC1	1354-A	CR-100	1"	37,000 / 21	34,000 / 16	28,000 / 9	10	6	18	25	2.5	7
	1354-B		1.5"						40	29		
	1465-A	CR-100	1"	52,000 / 30	47,000 / 22	40,000 / 13	10	6	26	19	3.5	9
	1465-B		1.5"						42	30		
	1665-A	CR-100	1"	67,000 / 39	60,000 / 29	51,000 / 17	10	6	27	20	4.5	12
	1665-B		1.5"						45	33		
	1865-A	CR-100	1"	81,000 / 47	74,000 / 35	62,000 / 20	10	7	27	20	5.5	15
	1865-B		1.5"						48	35		
	2162-A	CR-100	1"	104,000 / 60	94,000 / 45	79,000 / 26	10	6	27	20	7	21
	2162-B		1.5"						52	39		
2471-B	CR-100	1.5"	148,000 / 85	134,000 / 64	113,000 / 37	10	6	54	41	10	25	
LC2	1353-A	CR-200	1"	60,000 / 27	48,000 / 16	28,000 / 9	10	7	18	25	2.5	5
	1353-B		1.5"						40	29		
	1465-A	CR-200	1"	84,000 / 37	68,000 / 27	40,000 / 13	10	7	26	19	3.5	7
	1465-B		1.5"						42	30		
	1665-A	CR-200	1"	108,000 / 48	87,000 / 29	51,000 / 17	10	7	27	20	4.5	9
	1665-B		1.5"						45	33		
	1865-A	CR-200	1"	132,000 / 58	106,000 / 35	62,000 / 20	10	7	27	20	5.5	12
	1865-B		1.5"						48	35		
	2162-A	CR-200	1"	168,000 / 74	135,000 / 45	79,000 / 26	10	7	27	20	7	15
	2162-B		1.5"						52	39		
2471-B	CR-200	1.5"	240,000 / 106	193,000 / 64	113,000 / 37	10	7	54	41	10	20	

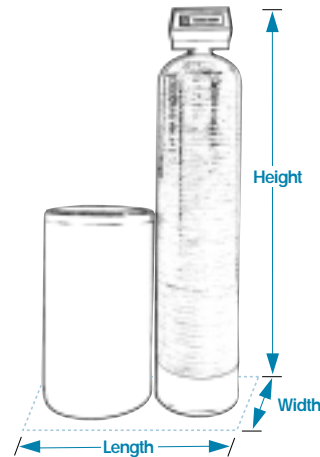
Notes: Resin Capacities based on industry standards. CR-100 and CR-200 interpolated from the ASC Series Water Conditioners.

Flow Rates and pressure drops based on valve manufacturers testing. Optional voltages available.

<sup>1</sup> On waters that are pre-chlorinated or where other pre-oxidation occurs, iron or manganese can precipitate too small to be filtered.

<sup>2</sup> The pH of the influent water must be at least the specified number above. pH correction is dependant upon flow rate.

<sup>3</sup> Backwash rates may change depending on temperature of water.



## System Dimensions and Weight

Model Number	Tank Sizes		Installed Dimensions			Shipping Weight <sup>1</sup>
	Softener	Brine Tank	Length	Width	Height	
1354-A	13" x 54"	18" x 40"	30"	19"	63"	230 lbs
1354-B						245 lbs
1465-A	14" x 65"	18" x 40"	34"	19"	73"	290 lbs
1465-B						305 lbs
1665-A	16" x 65"	24" x 41"	41"	25"	73"	365 lbs
1665-B						380 lbs
1865-A	18" x 65"	24" x 41"	43"	25"	75"	460 lbs
1865-B						475 lbs
2162-A	21" x 62"	24" x 50"	47"	25"	75"	665 lbs
2162-B						680 lbs
2472-A	24" x 72"	24" x 50"	50"	25"	81"	910 lbs
2472-B						925 lbs

<sup>1</sup> Shipping weight is dry.

Your local water treatment professional:

Manufactured By:

**WATER RIGHT**<sup>®</sup>  
QUALITY WATER SOLUTIONS

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