

HC-SERIES WATER CONDITIONERS

HEAVY COMMERCIAL

Water-Right's Heavy Commercial Series Water Conditioners are engineered to be highly effective in commercial applications. The HC Series equipment offers capacities between 60,000 and 600,000 grains and flow rates to 107 GPM. This series also provide excellent iron, manganese and pH correction. The HC Series solid brass controller can be expanded to multiple tank configurations for applications requiring continuous soft water or higher flow rates.

IDEAL FOR:

- Car Washes
- Nursing Homes
- Cooling Towers
- Hotels/Motels
- Apartments
- Light Industrial Applications
- Schools
- Boiler Feeds



Above photo shows the 2" top mount and 2" side mount HC-Series Systems

CONTROL VALVE

The HC-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 metered regeneration (electronic or mechanical) or time clock activation. Controls are fully adjustable and easy to operate. The HC-Series control operates all steps of regeneration for both single and dual tank configurations, including backwash, downflow brining and slow rinse, rapid rinse, brine refill and downflow service.

MEDIA TANK

Choice of fiberglass or steel media tanks. Non-corrosive fiberglass tanks are rated for 150 psi operating pressures and environments up to 120° F. Standard steel tanks are epoxy-lined and rated for 100 psi operating pressures. Steel tanks are primed and painted for a protective finish. All tanks are NFS approved.

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™** — silica crystal media highly effective in reducing hardness, iron, 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. Safety floats standard in all brine tanks. Salt grids are optional.

CHLORINE REGENERATION

Eliminate iron and sulfur bacteria within 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 107 GPM
- Capacity up to 600K grains
- 2" top- or side-mount configuration
- Steel or fiberglass construction

Options

- Mechanical or electronic meter
- 7 or 12 day initiated regeneration
- Sanitizing chlorinating feature
- No raw water bypass
- 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

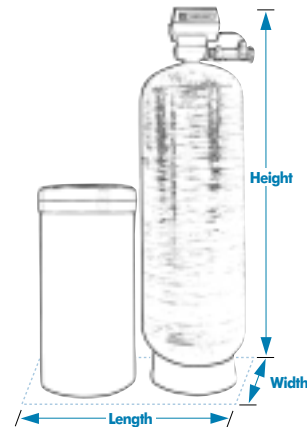
	Model Number	Type of Media	Pipe Size	Maximum Capacity / Lbs of Salt	Medium Capacity / Lbs of Salt	Minimum Capacity / Lbs of Salt	Iron & Mang. Capacity ¹	pH Capacity ²	Flow Rate ³		Mineral Quantity (Cu. Ft.)	Backwash Rate ⁴ (GPM)
									Continuous @15 PSI Pressure Drop	Peak @25 PSI Pressure Drop		
HCR	1465-A	Resin	2"	90,000 / 45	78,000 / 27	60,000 / 18	1	7	39	54	3	5
	1665-A	Resin	2"	120,000 / 60	104,000 / 36	80,000 / 24	1	7	47	64	4	6
	1865-A	Resin	2"	150,000 / 75	130,000 / 45	100,000 / 30	1	7	54	70	5	8
	2162-A	Resin	2"	210,000 / 105	182,000 / 63	140,000 / 42	1	7	60	77	7	12
	2472-A	Resin	2"	300,000 / 150	260,000 / 90	200,000 / 60	1	7	68	91	10	15
	2472-B		2"						68	94		
	3072-A	Resin	2"	450,000 / 225	390,000 / 135	300,000 / 90	1	7	84	105	15	25
	3072-B		2"						72	102		
3672-B	Resin	2"	600,000 / 300	520,000 / 180	400,000 / 120	1	7	78	107	20	35	
HC1	1465-A	CR-100	2"	52,000 / 30	47,000 / 22	40,000 / 13	10	6	39	54	3.5	9
	1665-A	CR-100	2"	67,000 / 39	60,000 / 29	51,000 / 17	10	6	47	64	4.5	12
	1865-A	CR-100	2"	81,000 / 47	74,000 / 35	62,000 / 20	10	6	54	70	5.5	15
	2162-A	CR-100	2"	104,000 / 60	94,000 / 45	79,000 / 26	10	6	60	77	7	20
	2162-B		2"						67	85		
	2472-B	CR-100	2"	148,000 / 85	134,000 / 64	113,000 / 37	10	6	68	94	10	25
	3072-B	CR-100	2"	222,000 / 128	201,000 / 96	170,000 / 56	10	6	74	102	15	40
	3672-B	CR-100	2"	296,000 / 170	268,000 / 128	226,000 / 74	10	6	78	107	20	60
HC2	1465-A	CR-200	2"	84,000 / 37	68,000 / 22	40,000 / 13	10	7	39	54	3.5	7
	1665-A	CR-200	2"	108,000 / 48	87,000 / 29	51,000 / 17	10	7	47	64	4.5	9
	1865-A	CR-200	2"	132,000 / 58	106,000 / 35	62,000 / 20	10	7	54	70	5.5	12
	2162-A	CR-200	2"	168,000 / 74	135,000 / 45	79,000 / 26	10	7	60	77	7	15
	2162-B		2"						67	85		
	2472-A	CR-200	2"	240,000 / 106	193,000 / 64	113,000 / 37	10	7	68	91	10	20
	2472-B		2"						68	94		
	3072-B	CR-200	2"	360,000 / 159	290,000 / 96	170,000 / 56	10	7	74	102	15	35
	3672-B	CR-200	2"	480,000 / 212	386,000 / 128	226,000 / 74	10	7	78	107	20	50

Notes: Resin Capacities based on industry standards. CR-100 and CR-200 interpolated from the ASC Series Water Conditioners.
 1 On waters that are pre-chlorinated or where other pre-oxidation occurs, iron or manganese can precipitate too small to be filtered.
 2 The pH of the influent water must be at least the specified number above. pH correction is dependent upon flow rate.
 3 Quality of water may vary depending upon flow rate and water conditions.
 4 Backwash rates may change depending on temperature of water.

System Dimensions and Weight

	Model Number	Tank Sizes		Installed Dimensions ¹			Shipping Weight ²
		Softener	Brine Tank	Length	Width	Height	
HC	1465-A	14" x 65"	18" x 40"	34"	19"	78"	310 lbs
	1665-A	16" x 65"	24" x 41"	41"	25"	78"	385 lbs
	1865-A	18" x 65"	24" x 41"	43"	25"	79"	510 lbs
	2162-A	21" x 62"	24" x 50"	47"	25"	79"	670 lbs
	2162-B					76"	695 lbs
	2472-A	24" x 72"	30" x 50"	56"	32"	88"	930 lbs
	2472-B					85"	940 lbs
	3072-A	30" x 72"	39" x 48"	70"	40"	105"	1370 lbs
	3072-B					102"	1380 lbs
	3672-A	36" x 72"	39" x 48"	77"	40"	106"	1500 lbs
3672-B	103"					1510 lbs	

¹ Height and width based on fiberglass tanks and top mount control valve.
 Please consult with factory for dimensions with steel tanks or side mounted controllers.
² Shipping weight is dry.



Manufactured By:

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 QUALITY WATER SOLUTIONS

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