

## ATW-SERIES WATER CONDITIONERS

# TWIN SYSTEMS

*Water-Right's Automatic Twin Series Water Conditioners are engineered to be highly effective in applications where 24-hour use is desired. The ATW Series equipment offers capacities between 20,000 and 300,000 grains with flow rates to 40 GPM. The ATW 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:

- Residential
- Convenience Stores
- Restaurants and Bars
- Power Washer Applications
- 24-Hour Laundry Use
- R.O. Pretreatment
- Beauty Salons
- Car Washes
- Boiler Feeds



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

### CONTROL VALVE

The ATW-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 ATW-Series control operates all steps of regeneration for the dual tank configurations, including backwash, downflow brining and slow rinse, rapid rinse, brine refill and downflow service.

### MEDIA TANK

All Water-Right media tanks are constructed with non-corrosive fiberglass. These quality tanks are NSF approved and 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 40 GPM
- Capacity up to 300K grains
- Unlimited supply soft water
- Treated water regeneration
- Safety float

## Options

- Mechanical or electronic meter
- Chlorine generator
- Larger brine tanks available for additional salt storage
- Choice of media for hardness, iron, manganese, and pH correction
- Salt grid

## System Specifications

Model Number	Type of Media	Pipe Size	Maximum Capacity/ Lbs of Salt Per Tank	Medium Capacity/ Lbs of Salt Per Tank	Minimum Capacity/ Lbs of Salt Per Tank	Iron & Mang. Capacity <sup>1</sup>	pH Capacity <sup>2</sup>	Peak Flow Rate @25 PSI Pressure Drop	Continuous Flow Rate @15 PSI Pressure Drop	Mineral Quantity (Cu. Ft.)	Backwash Rate <sup>3</sup> (GPM)	
ATWR	1044-A	Resin	1"	30,000 / 15	26,600 / 9	20,000 / 6	1	7	20	15	1	2.4
	1054-A	Resin	1"	45,000 / 23	39,000 / 14	30,000 / 9	1	7	19	14	1.5	2.4
	1248-A	Resin	1"	60,000 / 30	52,000 / 18	40,000 / 12	1	7	21	16	2	3
	1354-A	Resin	1"	75,000 / 38	65,000 / 23	50,000 / 15	1	7	22	16	2.5	3.5
	1354-B		1.5"						30	21		
	1465-A	Resin	1"	90,000 / 45	78,000 / 27	60,000 / 18	1	7	22	17	3	5
	1465-B		1.5"						30	22		
	1665-A	Resin	1"	120,000 / 60	104,000 / 36	80,000 / 24	1	7	24	17	4	6
	1665-B		1.5"						34	25		
	1865-B	Resin	1.5"	150,000 / 75	130,000 / 45	100,000 / 30	1	7	35	26	5	8
2162-B	Resin	1.5"	210,000 / 105	182,000 / 63	140,000 / 42	1	7	39	29	7	12	
2472-B	Resin	1.5"	300,000 / 150	260,000 / 90	200,000 / 60	1	7	40	30	10	15	
ATW1	1044-A	CR-100	1"	12,000 / 12	11,400 / 9	7,000 / 3	10	6	20	15	1	3.5
	1054-A	CR-100	1"	23,000 / 16	21,000 / 12	16,000 / 6	10	6	19	14	1.5	4
	1354-A	CR-100	1"	37,000 / 21	33,000 / 16	28,000 / 9	10	6	22	16	2.5	7
	1354-B		1.5"						30	21		
	1465-A	CR-100	1"	52,000 / 30	47,000 / 22	40,000 / 13	10	6	22	17	3.5	9
	1465-B		1.5"						30	22		
	1665-B	CR-100	1.5"	67,000 / 39	60,000 / 29	51,000 / 17	10	6	34	25	4.5	15
1044-A	CR-200	1"	20,000 / 12	19,000 / 9	11,000 / 3	10	7	20	15	1	3	
ATW2	1054-A	CR-200	1"	35,000 / 16	32,000 / 12	23,000 / 9	10	7	19	14	1.5	3.5
	1354-A	CR-200	1"	60,000 / 27	48,000 / 16	28,000 / 9	10	7	22	16	2.5	5
	1354-B		1.5"						30	21		
	1465-A	CR-200	1"	84,000 / 37	68,000 / 22	40,000 / 13	10	7	22	17	3.5	7
	1465-B		1.5"						30	22		
	1665-B	CR-200	1.5"	108,000 / 48	87,000 / 29	51,000 / 17	10	7	34	25	4.5	9
	1865-B	CR-200	1.5"	132,000 / 58	106,000 / 35	62,000 / 20	10	7	35	26	5.5	12
	2162-B	CR-200	1.5"	168,000 / 74	135,000 / 45	79,000 / 26	10	7	39	29	7	15

Notes: Resin Capacities based on industry standards. CR-100 and CR-200 are actual test results or 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.

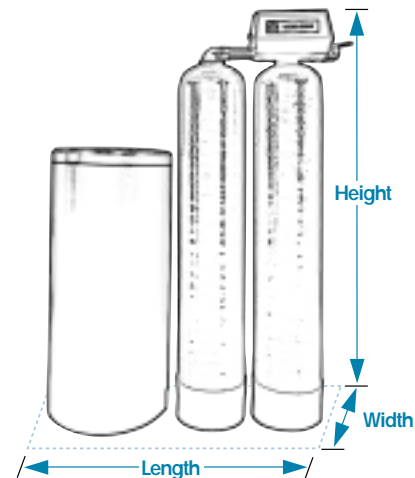
<sup>2</sup> The pH of the influent water must be at least the specified number above. pH correction is dependant upon flow rate.

<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		
ATW	948-A	9" x 48"	18" x 33"	23"	19"	56"	210 lbs
	1044-A	10" x 44"	18" x 33"	25"	19"	52"	215 lbs
	1054-A	10" x 54"	18" x 33"	25"	19"	62"	270 lbs
	1248-A	12" x 48"	18" x 33"	29"	19"	56"	330 lbs
	1354-A	13" x 54"	18" x 40"	31"	19"	62"	420 lbs
	1354-B			34"	19"	63"	445 lbs
	1465-A	14" x 65"	18" x 40"	33"	19"	73"	445 lbs
	1465-B			35"	19"	74"	565 lbs
	1665-A	16" x 65"	24" x 41"	37"	25"	74"	680 lbs
	1665-B			37"	25"	75"	705 lbs
	1865-B	18" x 65"	24" x 41"	47"	25"	76"	950 lbs
	2162-B	21" x 62"	24" x 50"	50"	25"	76"	1285 lbs
2472-B	24" x 72"	24" x 50"	53"	25"	83"	1780 lbs	

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



Manufactured By:

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