

IS-SERIES WATER CONDITIONERS INDUSTRIAL SYSTEMS

IDEAL FOR:

- Small Community Systems
- Schools and Universities
- Institutional Facilities
- Processing Plants
- Factories
- Prisons

Water-Right's Industrial Series Water Conditioners are engineered to be highly effective in industrial applications. The IS Series equipment offers capacities between 200,000 and 1,200,000 grains with flow rates to 280 GPM. The IS Series can also provide for excellent iron, manganese and pH correction if needed. The IS Series solid brass controller can be expanded for multiple tank configurations for applications requiring continuous soft water or higher flow rates.



Above photo shows the 3" Triplex IS-Series System

CONTROL VALVE

The IS-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 demand regeneration (electronic or mechanical) or time clock activation. Controls are fully adjustable and easy to operate. The IS-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. Tanks are commercial grade and constructed with non-corrosive fiberglass. 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™ — 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 280 GPM
- Capacity up to 1,200K grains
- Top or sidemount configuration
- Steel or fiberglass construction

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 ¹	pH Capacity ²	Peak Flow Rate @25 PSI Pressure Drop	Continuous Flow Rate @15 PSI Pressure Drop	Mineral Quantity (Cu. Ft.)	Backwash Rate ³ (GPM)
ISR	Resin	2"	300,000 / 150	260,000 / 90	200,000 / 60	1	7	94	68	10	15
		3"						170	120		
	Resin	2"	450,000 / 225	390,000 / 135	300,000 / 90	1	7	102	72	15	25
		3"						212	158		
	Resin	2"	600,000 / 300	520,000 / 180	400,000 / 120	1	7	107	78	20	35
		3"						250	185		
	Resin	2"	900,000 / 450	780,000 / 270	600,000 / 180	1	7	118	84	30	45
		3"						268	200		
Resin	2"	1,200,000 / 600	1,040,000 / 360	800,000 / 240	1	7	119	86	40	60	
	3"						280	213			
IS1	CR-100	2"	148,000 / 85	134,000 / 64	113,000 / 37	10	6	94	68	10	25
		3"						170	120		
	CR-100	2"	222,000 / 128	201,000 / 96	170,000 / 56	10	6	102	72	15	40
		3"						212	158		
	CR-100	2"	296,000 / 170	268,000 / 128	226,000 / 74	10	6	107	78	20	60
		3"						250	185		
	CR-100	2"	444,000 / 255	402,000 / 192	339,000 / 111	10	6	118	84	30	80
		3"						268	200		
CR-100	2"	592,000 / 340	536,000 / 256	452,000 / 148	10	6	119	86	40	107	
	3"						280	213			
IS2	CR-200	2"	240,000 / 106	193,000 / 63	113,000 / 37	10	7	94	68	10	20
		3"						170	120		
	CR-200	2"	360,000 / 159	290,000 / 96	170,000 / 56	10	7	102	72	15	35
		3"						212	158		
	CR-200	2"	480,000 / 212	386,000 / 128	226,000 / 74	10	7	107	78	20	50
		3"						250	185		
	CR-200	2"	720,000 / 318	579,000 / 192	339,000 / 111	10	7	118	84	30	70
		3"						268	200		
CR-200	2"	960,000 / 424	772,000 / 256	452,000 / 148	10	7	119	86	40	90	
	3"						280	213			

Notes: Resin Capacities based on industry standards. CR-100 and CR-200 interpolated from the domestic ASC Series Water Conditioners. Flow Rates and pressure drops based on valve manufacturers testing. Optional voltages available.

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 dependant upon flow rate.

³ Backwash rates may change depending on temperature of water.

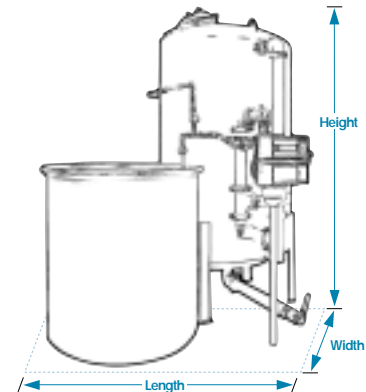
System Dimensions and Weight

Model Number	Tank Sizes		Installed Dimensions ¹			Shipping Weight ²
	Softener	Brine Tank	Length	Width	Height	
2472-A	24" x 72"	24" x 50"	50"	25"	85"	940 lbs
					95"	985 lbs
3072-A	30" x 72"	30" x 48"	61"	31"	102"	1380 lbs
					112"	1425 lbs
3672-A	36" x 72"	39" x 48"	77"	40"	99"	1840 lbs
					109"	1885 lbs
4272-A	42" x 72"	42" x 60"	86"	43"	96"	2650 lbs
					106"	2695 lbs
4872-A	48" x 72"	50" x 60"	102"	51"	102"	3425 lbs
					112"	3470 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.



Your local water treatment professional:

Manufactured By:

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