

IS-Series

Industrial Water Conditioners

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 excellent iron, manganese and pH correction. The IS-Series solid brass controller can be expanded for multiple tank configurations for applications requiring continuous soft water or higher flow rates.

Features

- Flow rates up to 280 GPM
- Capacity up to 1,200K grains
- Top- or side-mount configuration
- Steel or fiberglass construction

Options

- Mechanical, electronic meter or progressive flow 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

Ideal for:

- Small community systems
- Schools and universities
- Institutional facilities
- Processing plants
- Factories
- Prisons



Above photo shows 3" Triplex IS-Series Steel System. Standard system is top-mount fiberglass.

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 metered 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. 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 100-150 psi operating pressures. ASME optional. Steel tanks are primed and painted for a protective finish. All tanks are NSF 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 slightly 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.

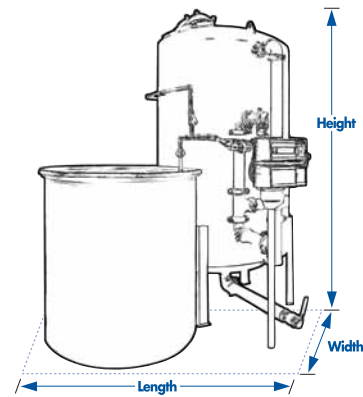
System Specifications

	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		
ISR	2472-A	Resin	2"	300,000/150	260,000/90	200,000/60	1	7	68	94	10	15
	2472-B		3"						120	170		
	3072-A	Resin	2"	450,000/225	390,000/135	300,000/90	1	7	72	102	15	25
	3072-B		3"						158	212		
	3672-A	Resin	2"	600,000/300	520,000/180	400,000/120	1	7	78	107	20	35
	3672-B		3"						185	250		
	4272-A	Resin	2"	900,000/450	780,000/270	600,000/180	1	7	84	118	30	45
	4272-B		3"						200	268		
4872-A	Resin	2"	1,200,000/600	1,040,000/360	800,000/240	1	7	86	119	40	60	
4872-B		3"						213	280			
IST	2472-A	CR-100	2"	148,000/85	134,000/64	113,000/37	10	6	68	94	10	25
	2472-B		3"						120	170		
	3072-A	CR-100	2"	222,000/128	201,000/96	170,000/56	10	6	72	102	15	40
	3072-B		3"						158	212		
	3672-A	CR-100	2"	296,000/170	268,000/128	226,000/74	10	6	78	107	20	60
	3672-B		3"						185	250		
	4272-A	CR-100	2"	444,000/255	402,000/192	339,000/111	10	6	84	118	30	80
	4272-B		3"						200	268		
4872-A	CR-100	2"	592,000/340	536,000/256	452,000/148	10	6	86	119	40	105	
4872-B		3"						213	280			
IS2	2472-A	CR-200	2"	240,000/106	193,000/64	113,000/37	10	7	68	94	10	20
	2472-B		3"						120	170		
	3072-A	CR-200	2"	360,000/159	290,000/96	170,000/56	10	7	72	102	15	35
	3072-B		3"						158	212		
	3672-A	CR-200	2"	480,000/212	386,000/128	226,000/74	10	7	78	107	20	50
	3672-B		3"						185	250		
	4272-A	CR-200	2"	720,000/318	579,000/192	339,000/111	10	7	84	118	30	70
	4272-B		3"						200	268		
4872-A	CR-200	2"	960,000/424	772,000/256	452,000/148	10	7	86	119	40	90	
4872-B		3"						213	280			

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 ¹		Installed Dimensions ²			Shipping Weight ³
		Softener	Brine Tank	Length	Width	Height	
IS	2472-A	24" x 72"	30" x 50"	56"	32"	88"	940 lbs
	2472-B					99"	985 lbs
	3072-A	30" x 72"	39" x 48"	70"	40"	102"	1380 lbs
	3072-B					112"	1425 lbs
	3672-A	36" x 72"	39" x 48"	77"	40"	100"	1840 lbs
	3672-B					110"	1885 lbs
	4272-A	42" x 72"	42" x 60"	86"	43"	96"	2650 lbs
	4272-B					106"	2695 lbs
	4872-A	48" x 72"	50" x 60"	102"	51"	102"	3425 lbs
	4872-B					112"	3470 lbs



1 Tank sizes reference industry standards. Exact tank measurements can be provided upon request.
 2 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.
 3 Shipping weight is dry.

Your local water treatment professional:



1900 Prospect Court • Appleton, WI 54914
 920.739.9401 • 800.777.1426 • Fax: 920.739.9406
www.water-right.com