

Twin Series Systems

Impression® and Sanitizer Plus® Series Twin Water Conditioners

Water-Right's Twin Series Water Conditioners are engineered to be highly effective in applications where 24-hour use is desired. The ITW and SPT Series equipment offers capacities between 20,000 and 300,000 grains with flow rates to 60 GPM. The SPT Series can also provide for excellent iron, manganese and pH correction. Powerful control valves along with advanced controller options provides for dependable, trouble-free operation.

Features

- 24/7 unlimited supply of treated water
- Flow rates up to 60 GPM
- Pipe sizes 1", 1.25" and 1.5"
- Advanced history and diagnostic screens
- Monitors and self-adjusts regeneration cycles based on water consumption
- Safe, 12 volt DC operation

Options

- Choice of media for hardness, iron, manganese, and pH correction
 - chlorine generator
- Treated water regeneration
- Larger brine tanks and salt grids available

Ideal for:

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



The ITW and SPT Twin Series systems provide uninterrupted conditioned water, available 24 hours a day, seven days a week. How is this possible? When one tank becomes exhausted, the system's MAV (motorized alternating valve) automatically switches to the system's reserve tank. An added benefit of the system's flexibility is that each of its tanks can utilize 100% of their capacity! This eliminates the waste of unused capacity, an occurrence routinely experienced when single tank systems are used.

CONTROL VALVE

The ITW and SPT Series valves achieve optimum performance using a single piston and corrosion-resistant spacers and seals. This piston design offers long-term operation with minimal maintenance. Tight tolerances and precision machining optimize performance, even in challenging environments.

SPT1 and SPT2 water treatment systems combine patented self-chlorinating technology with exclusive Crystal-Right™ media to perform

like four units in one — softening, removing iron and manganese, and raising low pH levels. These self-sanitizing systems also control odors caused by nuisance bacteria and minor sulfur conditions.

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 (ITWR/SPTR)** — a high capacity sulfonated polystyrene media capable of handling common hard water conditions.
- **Crystal-Right CR100™ (SPT1)** — silica crystal media highly effective in reducing hardness, iron, manganese and raising pH levels of slightly acidic water.
- **Crystal-Right CR200™ (SPT2)** — silica crystal media highly effective in reducing hardness, iron and manganese in a single process.

System Specifications

	Model Number	Type of Media	Pipe Size *	Maximum Capacity/ Lbs of Salt	Medium Capacity/ Lbs of Salt	Minimum Capacity/ Lbs of Salt	1 Iron & Mang. Capacity	2 pH Capacity	3 Flow Rate		Mineral Quantity (Cu. Ft.)	4 Backwash Rate (GPM)
									Continuous @15 PSI Pressure Drop	Peak @25 PSI Pressure Drop		
ITWR/SPTR	1044-A	Resin	1/1.25	32,000/15	28,400/9	23,600/6	1	7	22	31	1	2.2
	1054-A	Resin	1/1.25	48,800/21	44,400/15	35,400/9	1	7	19	28	1.5	2.2
	1354-A	Resin	1/1.25	75,000/38	65,000/23	50,000/15	1	7	24	32	2.5	3.2
	1354-B		1.5						30	40		
	1465-A	Resin	1/1.25	90,000/45	78,000/27	60,000/18	1	7	24	33	3	5.3
	1465-B		1.5						33	44		
	1665-A	Resin	1/1.25	120,000/60	104,000/36	80,000/24	1	7	25	34	4	6.5
	1665-B		1.5						36	50		
	1865-A	Resin	1/1.25	150,000/75	130,000/45	100,000/30	1	7	27	35	5	7.5
	1865-B		1.5						40	54		
2162-B	Resin	1.5	210,000/105	182,000/63	140,000/42	1	7	43	58	7	13	
2472-B	Resin	1.5	300,000/150	260,000/90	200,000/60	1	7	45	60	10	15	
SPT1	1044-A	CR-100	1/1.25	11,800/12	11,400/9	7,300/3	8	6.5	22	31	1.0	4.2
	1054-A	CR-100	1/1.25	22,600/15	20,700/12	16,400/6	10	6	19	28	1.5	4.2
	1354-A	CR-100	1/1.25	37,000/21	34,000/16	28,000/9	10	6	24	32	2.5	7.5
	1354-B		1.5						30	40		
	1465-A	CR-100	1/1.25	52,000/30	47,000/22	40,000/13	10	6	24	33	3.5	9
	1465-B		1.5						33	44		
	1665-A	CR-100	1/1.25	67,000/39	60,000/29	51,000/17	10	6	25	34	4.5	13
	1665-B		1.5						36	50		
	1865-A	CR-100	1/1.25	81,000/47	74,000/35	62,000/20	10	6	27	35	5.5	15
	1865-B		1.5						40	54		
2162-B	CR-100	1.5	104,000/60	94,000/45	79,000/26	10	6	43	58	7	20	
2472-B	CR-100	1.5	148,000/90	134,000/64	113,000/37	10	6	45	60	10	25	
SPT2	1044-A	CR-200	1/1.25	20,300/12	19,100/9	11,100/3	8	7	22	31	1	3.2
	1054-A	CR-200	1/1.25	34,800/16	32,800/12	22,900/6	10	7	19	28	1.5	4.2
	1354-A	CR-200	1/1.25	60,000/27	48,000/16	28,000/9	10	7	24	32	2.5	5.3
	1354-B		1.5						30	40		
	1465-A	CR-200	1/1.25	84,000/37	68,000/22	40,000/13	10	7	24	33	3.5	7.5
	1465-B		1.5						33	44		
	1665-A	CR-200	1/1.25	108,000/48	87,000/29	51,000/17	10	7	25	34	4.5	9
	1665-B		1.5						36	50		
	1865-A	CR-200	1/1.25	132,000/58	106,000/35	62,000/20	10	7	27	35	5.5	13
	1865-B		1.5						40	54		
2162-B	CR-200	1.5	168,000/74	135,000/45	79,000/26	10	7	43	58	7	15	
2472-B	CR-200	1.5	240,000/106	193,000/64	113,000/37	10	7	45	60	10	20	

* 1.25" valve body available with 1" yoke.

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 Flow rate based upon 1.25" yoke for 1.25" control valve. 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
	Softener	Brine Tank	Length	Width	Height	
1044-A	10" x 44"	18" x 33"	52"	10"	52"	275 lbs
1054-A	10" x 54"	18" x 33"	52"	10"	62"	310 lbs
1354-A	13" x 54"	18" x 40"	58"	19"	64"	460 lbs
1354-B						490 lbs
1465-A	14" x 65"	18" x 40"	62"	19"	74"	580 lbs
1465-B						610 lbs
1665-A	16" x 65"	24" x 41"	70"	25"	73"	730 lbs
1665-B						760 lbs
1865-A	18" x 65"	24" x 41"	76"	25"	75"	920 lbs
1865-B						950 lbs
2162-B	21" x 62"	24" x 50"	88"	25"	75"	1,360 lbs
2472-B	24" x 72"	30" x 50"	100"	32"	82"	1,850 lbs

1 Shipping weight is dry.

