



## Impression Plus Twin Series

### Softener Water Treatment Systems

Soft water around the clock.

- Unlimited supply of treated soft water 24 hours a day
- Softens water using minimal salt and water
- High flow rate up to 28 GPM
- High grain capacity; up to 120,000 grains
- Solid-state microprocessor control
- Automatically monitors regeneration cycles based on water consumption
- Safe, 12 volt DC operation saves salt and water
- Advanced history and diagnostic screens
- Service Alarms

Impression Plus Twin systems provide uninterrupted service of softened and treated water 24 hours a day, seven days a week. These systems are engineered to be highly effective and offer capacities between 20,000 and 120,000 grains with flow rates up to 28 GPM.



**MADE IN THE USA**

#### Twin Operation

When one tank becomes exhausted, the system 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, eliminating the waste of unused capacity.

#### The Control Valve

Our twin systems achieve optimum performance using a single piston and corrosion-resistant spacers and seals. The piston design is produced with tight tolerances and offers long-term operation with minimal maintenance.

#### Monitoring

The patented salt monitoring feature will trigger an alarm, notifying you when the percentage of brine concentration falls below 50 percent.

Model	Capacity <sup>1</sup> (Grains/Lbs. NaCl)			Amount of Media (Cu. Ft.)	Max. Water Hardness (GPG)	Min. pH <sup>2</sup>	Peak Flow Rate <sup>3</sup> (GPM @ P-PSI)	Continuous Flow Rate (GPM @ P-PSI)
	Minimum	Medium	Maximum					
IMP-844TW	15.600 @ 3.0	21.600 @ 6.0	25.600 @ 9.0	.85	50	7.0	11.4 @ 15.0	5.0 @ 5.4
IMP-1044TW	23.600 @ 6.0	28.400 @ 9.0	32.000 @ 15.0	1.0	75	7.0	17.1 @ 15.0	5.0 @ 2.8
IMP-1054TW	35.400 @ 9.0	44.400 @ 15.0	48.800 @ 21.0	1.5	100	7.0	14.3 @ 15.0	5.0 @ 3.8
IMP-1354TW	53.000 @ 12.0	64.200 @ 18.0	72.800 @ 24.0	2.5	100	7.0	18.5 @ 15.0	5.0 @ 2.4
IMP-1465TW	60.000 @ 18.0	75.000 @ 30.0	90.000 @ 45.0	3.0	100	7.0	20.0 @ 15.0	20.0 @ 15.0
IMP-1665TW	80.000 @ 24.0	100.000 @ 40.0	120.000 @ 60.0	4.0	100	7.0	17.1 @ 15.0	22.0 @ 15.0

<sup>1</sup> All Impression water softeners are factory preset at medium salting & all specs are shown in capacity per tank.

<sup>2</sup> The pH listed is the minimum for the influent water.

<sup>3</sup> Unit not tested for capacity at these peak flow rates. Water quality may vary.

Model	Water Pressure Range (PSI)	Water Temp (°F)	Electrical Req. (V-Hz)	Pipe Size	Dimensions WxH(xD)	
					Media Tank & Valve	Brine Tank
IMP-844TW	30-100	33-100	110-50/60	1"	27x53	18x33
IMP-1044TW	30-100	33-100	110-50/60	1"	29x52	18x33
IMP-1054TW	30-100	33-100	110-50/60	1"	29x62	18x33
IMP-1354TW	30-100	33-100	110-50/60	1"	31x62	18x40
IMP-1465TW	30-100	33-100	110-50/60	1"	32x74	18x40
IMP-1665TW	30-100	33-100	110-50/60	1"	34x74	24x41

## Cycle Times and Usage

In minutes

Model	Backwash	Brine & Rinse	Rinse	Brine Refill	Regenerant (lbs)	Total
IMP-844TW	6	40	4	3:51	6	54
IMP-1044TW	8	60	4	5:51	9	78
IMP-1054TW	8	90	4	9:53	18	112
IMP-1354TW	10	90	4	11:53	18	116
IMP-1465TW	12	90	4	19:56	30	126
IMP-1665TW	12	90	4	26:38	40	133