

## Impression Plus Series

### Softener Water Treatment Systems

Soft water for you and your household.

- Removes hardness
- Softens household water using minimal salt and water
- Soft water prevents mineral buildup and keeps your appliances running smoothly
- Solid-state microprocessor control
- Top tank flange for easy servicing
- LED backlit display screen
- Meter monitors and self-adjusts regeneration cycles based on household trend of water use
- Easily programmed for optimum performance
- Extended lithium battery backup
- Flexible “adjustable cycle sequence” programming saves salt and water
- Advanced history and diagnostic screens
- NSF/ANSI 44 tested and certified
- Service Alarms



Whether you have hard municipal water or extremely hard well water, Impression Series® water softeners deliver the clear, soft water you want and need. Its easy to read LED screen and user-friendly console allows you to monitor all operating functions. It's true, nothing will last longer than your first Impression.

#### The Meter

Water usage is electronically monitored and the system is automatically regenerated based on actual water consumption. The controller can anticipate higher water usage based on previous trends and regenerate the system, as needed, to ensure the availability of quality water. Likewise, when water usage is low, the system regenerates less often, saving on salt and water.

#### The Electronics

The microprocessor captures all water softener operations, including gallons per day, total gallons, peak flow rates, and total regenerations. Time and history is held in memory and protected by a built-in battery backup.

#### The Control Valve

A rugged, Noryl™ control valve handles high flow rates without dropping household water pressures — like when showers, toilets and faucets are all in use at the same time.

#### Soft, Quality Water

Impression Series® water softeners provide the quality water you need for everyday life. Day and night, your water will now perform the way it should — creating richer lathers by using less soap, rinsing cleaner without film and residue. Your household plumbing will be protected from staining, scale and mineral deposits. Best of all, this system is built to last and easy to operate.



Model	Capacity <sup>1</sup> (Grains/Lbs. NaCl)			Amount of Media (Cu. Ft.)	Efficiency @ 1 lb Salt (Grains/Lbs)	Max. Service Flow Rate (GPM)	Max. Flow to Drain during Regeneration (GPM)
	Minimum	Medium	Maximum				
IMP-844	13.700 @ 3.4	16.800 @ 6.0	18.800 @ 8.0	.75	4.040/1	11.7	1.3
IMP-948	18.200 @ 4.5	23.500 @ 9.0	28.000 @ 15.0	1.0	4.040/1	13.1	1.7
IMP-1044	18.200 @ 4.5	23.500 @ 9.0	28.000 @ 15.0	1.0	4.040/1	16.0	2.2
IMP-1054	27.600 @ 7.0	36.700 @ 7.0	42.000 @ 22.5	1.5	4.040/1	13.3	2.2
IMP-1248	36.400 @ 9.0	47.000 @ 18.0	56.100 @ 30.0	2.0	4.040/1	16.4	3.2
IMP-1354	45.800 @ 11.5	53.900 @ 18.0	69.800 @ 37.0	2.5	4.040/1	17.1	3.2
IMPC-835	5.100 @ 2.3	7.300 @ 6.0	7.800 @ 7.5	.5	n/a	9.6	1.3
IMPC-935	10.600 @ 3.4	13.100 @ 6.0	16.200 @ 11.0	.75	n/a	14.4	1.7
IMPC-1035	18.200 @ 4.5	23.500 @ 9.0	28.000 @ 15.0	1.0	4.040/1	16.0	2.2

<sup>1</sup> All Impression water softeners are set at minimum salting.

Model	Max. Pressure Loss @ Max Service (PSI)	Water Pressure Range (PSI)	Operating Temp (°F)	Electrical Req. (V-Hz)	Pipe Size	Dimensions WxH(xD)	
						Media Tank & Valve	Brine Tank
IMP-844	15	30-100	33-100	110-50/60	1"	8x52	18x33
IMP-948	15	30-100	33-100	110-50/60	1"	9x56	18x33
IMP-1044	15	30-100	33-100	110-50/60	1"	10x52	18x33
IMP-1054	15	30-100	33-100	110-50/60	1"	10x62	18x33
IMP-1248	15	30-100	33-100	110-50/60	1"	12x56	18x40
IMP-1354	15	30-100	33-100	110-50/60	1"	13x62	18x40
IMPC-835	9.0	30-100	33-100	110-50/60	1"	14x44.5x20.5 (cabinet <sup>2</sup> )	
IMPC-935	14.0	30-100	33-100	110-50/60	1"	14x44.5x20.5 (cabinet <sup>2</sup> )	
IMPC-1035	15.0	30-100	33-100	110-50/60	1"	14x44.5x20.5 (cabinet <sup>2</sup> )	

<sup>2</sup> These are the High-Profile cabinet option dimensions. Low-Profile cabinets are about 1 inch shorter.

### Cycle Times and Usage

In minutes; Regeneration total is 'Backwash + Brine & Rinse + Rinse'

Model	Brine Refill	Regenerant	Service	Backwash	Brine & Rinse	Rinse	Total
IMP-844	2	3.4 lbs	240	6	40	4	50
IMP-948	3	4.5 lbs	240	8	60	4	72
IMP-1044	3	4.5 lbs	240	8	60	4	72
IMP-1054	4.5	7.0 lbs	240	8	90	4	102
IMP-1248	6	9.0 lbs	240	10	90	4	104
IMP-1354	7.5	11.5 lbs	240	10	90	4	104
IMPC-835	1.5	2.3 lbs	240	6	40	4	50
IMPC-935	2	3.4 lbs	240	6	40	6	50
IMPC-1035	3	4.5 lbs	240	8	60	4	72



### Cabinet Design

The optional Impression cabinet (IMC) offers excellent space savings while still allowing up to 150 lbs salt storage. Its top sliding cover opens to a large tapered chute for ease of adding salt to the system without removing the cover. This new design offers a unique flip up access window that allows you to program the valve without removing the cover. A new brine valve/brine well system allows full access to the safety float valve for servicing, without having to disassemble the complete system.