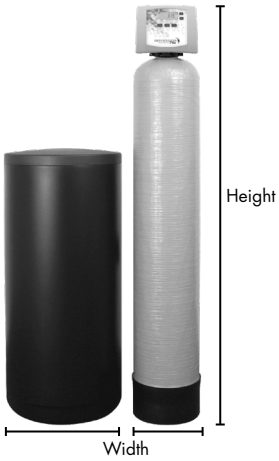
Impression Plus Series®
Specifications

IMP SPECIFICATIONS

MODEL		IMP-844	IMP-948	IMP-1044	IMP-1054	IMP-1248	IMP-1354
Rated Softener Capacity:* (Grains/Lbs. Salt)	Minimum	13,700 @ 3.4	18,200 @ 4.5	18,200 @ 4.5	27,600 @ 7.0	36,400 @ 9.0	45,800 @ 11.5
	Medium	16,800 @ 6.0	23,500 @ 9.0	23,500 @ 9.0	36,700 @ 15.0	47,000 @ 18.0	53,900 @ 18.0
	Maximum	18,800 @ 8.0	28,000 @ 15.0	28,000 @ 15.0	42,000 @ 22.5	56,100 @ 30.0	69,800 @ 37.0
Amount of High Capacity Cat-ion Resin Media (Cu. Ft.)		.75	1.0	1.0	1.5	2.0	2.5
Efficiency at 1 lb Salt Setting (Grains/Lbs Salt)		4,040/1	4,040/1	4,040/1	4,040/1	4,040/1	4,040/1
Max. Service Flow Rate (GPM)		11.7	13.1	16.0	13.3	16.4	17.1
Max. Pressure Loss at Max. Service (PSI)		15	15	15	15	15	15
Min. to Max. Working Pressure (PSI)		30-100	30-100	30-100	30-100	30-100	30-100
Min. to Max. Operating Temperature (ºF)		33-100	33-100	33-100	33-100	33-100	33-100
Max. Flow to Drain During Regeneration (GPM)		1.3	1.7	2.2	2.2	3.2	3.2
Electrical Requirements (volts-hertz)		110-50/60	110-50/60	110-50/60	110-50/60	110-50/60	110-50/60
Pipe Size		1"	1"	1"	1"	1"	1"
Total Dimensions:	Media Tank and Valve	8"W x 52"H	9"W x 56"H	10"W x 52"H	10"W x 62"H	12"W x 56"H	13"W x 62"H
	Brine Tank	18"W x 33"H	18"W x 33"H	18"W x 33"H	18"W x 33"H	18"W x 40"H	18"W x 40"H



CABINET MODEL (IMPC) SPECIFICATIONS

MODEL		IMPC-835	IMPC-935	IMPC-1035
Rated Softener Capacity:* (Grains/Lbs. Salt)	Minimum	5,100 @ 2.3	10,600 @ 3.4	18,200 @ 4.5
	Medium	7.300 @ 6.0	13,100 @ 6.0	23,500 @ 9.0
	Maximum	7,800 @ 7.5	16,200 @ 11.0	28,000 @ 15.0
Amount of High Capacity Cat-ion Resin Media (Cu. Ft.)		.50	.75	1.0
Efficiency at 1 lb Salt Setting (Grains/Lbs Salt)		N/A	N/A	4,040/1
Max. Service Flow Rate (GPM)		9.6	14.4	16.0
Max. Pressure Loss at Max. Service (PSI)		9.0	14.0	15.0
Min. to Max. Working Pressure (PSI)		30-100	30-100	30-100
Min. to Max. Operating Temperature (ºF)		33-100	33-100	33-100
Max. Flow to Drain During Regeneration (GPM)		1.3	1.7	2.2
Electrical Requirements (volts-hertz)		110-50/60	110-50/60	110-50/60
Pipe Size		1"	1"	1"
Total Dimensions:	[1]Cabinet	14" x 44.5"H x 20.5"D	14" x 44.5"H x 20.5"D	14" x 44.5"H x 20.5"D

*All Impression Plus water softeners are set at "minimum salting" from the factory.

[1]Cabinet dimensions represent the High-Profile cabinet option. Low-Profile cabinets are about one inch shorter in height than the High-Profile cabinet lid.

Low Profile Cabinet

High Profile Cabinet

CYCLE TIMES (in minutes)

MODEL	IMP-835	IMP-948	IMP-1044	IMP-1054	IMP-1248	IMP-1354	IMPC-835	IMPC-935	IMPC-1035
Brine Refill	2	3	3	4.5	6	7.5	1.5	2	3
Regenerant (lbs)	3.4	4.5	4.5	7.0	9.0	11.5	2.3	3.4	4.5
Service	240	240	240	240	240	240	240	240	240
The above sequence takes place prior to regeneration; therefore, minutes are not included in totals.									
Backwash	6	8	8	8	10	10	6	6	8
Brine and Rinse	40	60	60	90	90	90	40	40	60
Rinse	4	4	4	4	4	4	4	4	4
Total	**50**	**72**	**72**	**102**	**104**	**104**	**50**	**50**	**72**

Manufacturer recommends the use of coarse solar salt in these water softeners.

IMP -844, -948, -1044, -1054, -1248, -1354 and IMPC -835, -935, -1035 softeners are certified by WQA against NSF/ANSI Standard 44 for the reduction of hardness as verified and substantiated by test data.

Only the efficiency-rated water softener models have a rated capacity of not less than 3,350 grains of total hardness exchange per pound of salt (based on NaCl) and shall not deliver more salt or be operated at a sustained maximum service flow rate greater than its listed rating. Efficiency is measured by a laboratory test described in NSF/ANSI 44. The test represents the maximum possible efficiency the system can achieve after the system has been installed. The operational efficiency is typically less than the efficiency due to individual application factors including water hardness, water usage, and other contaminants that reduce the softener's capacity.

These water softeners are not intended to be used for treating water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.