BETTER SCIENCE. BRILLIANT WATER.®

EVOLVE SERIES® SOFTENER SPECIFICATIONS

EVR/EVRS/EVC/EVCS Specifications

MODEL		EVR-844 EVRS-844	EVR-948 EVRS-948	EVR-1044 EVRS-1044	EVR-1054 EVRS-1054	EVR-1252 EVRS-1252	EVR-1354 EVRS-1354	Cabinet Models EVC-835 EVCS-835	Cabinet Models EVC-1035 EVCS-1035
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	5,100 @ 2.3	18,200 @ 4.5
	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	7,300 @ 6.0	23,500 @ 9.0
	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	7,800 @ 7.5	28,000 @ 15.0
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	N/A	4,040/1
Max. Service Flow Rate (GPM)		11.7	13.1	16.0	13.3	16.4	17.1	9.6	16.0
Max. Pressure Loss at Max. Service (PSI)		15.0	15.0	15.0	15.0	15.0	15.0	9.0	15.0
Min. to Max. Working Pressure (PSI)		30-100	30-100	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	33-100	33-100
Max. Flow to Drain During Regeneration (GPM)		1.3	1.7	2.2	2.2	3.2	3.2	1.3	2.2
Amount of High Capacity Cat-ion Resin (Cu. Ft.)		.75	1.0	1.0	1.5	2.0	2.5	.50	1.0
Electrical Requirements (volts-hertz)		110-50/60	110-50/60	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"	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 60"H	13"W x 62"H	14"W x 44.5"H x 20.5"D	14"W x 44.5"H x 20.5"D
	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		

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

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

EVRC/EVRCS Specifications

MODEL		EVRC-1054 EVRCS-1054	EVRC-1354 EVRCS-1354
Rated Softener Capacity: (Grains/Lbs. Salt)	Minimum	18,200 @ 4.5	29,200 @ 6.75
	Medium	23,500 @ 9.0	36,700 @ 15.0
	Maximum	28,000 @ 15.0	42,000 @ 22.5
Amount of High Capacity Cat-ion Resin Media (Cu. Ft.)		1.0	1.5
Efficiency per/Lb at minimum salt setting (Grains/Lbs Salt)		4,330/1	4,330/1
Max. Service Flow Rate (GPM)		13.7	16.9
Max. Pressure Loss at Max. Service (PSI)		15	15
Min. to Max. Working Pressure (PSI)		30-100	30-100
Min. to Max. Operating Temperature (ºF)		33-100	33-100
Max. Flow to Drain During Regeneration (GPM)		5.3	7.5
Electrical Requirements (volts-hertz)		110-50/60	110-50/60
Pipe Size		1"	1"
Total Dimensions:	Media Tank and Valve	10"W x 62"H	13"W x 62"H
	Brine Tank	18"W x 33"H	18"W x 40"H

[1] Iron removal may vary depending on form of iron, pH and other local conditions. On waters that are pre-chlorinated, or where other pre-oxidation occurs, an iron precipitate can form that is too small to be filtered.

[2] Unit not tested for capacity at these peak flow rates. Water quality may vary.

Cycle Times (in minutes)

MODEL	EVR-844 EVRS-844	EVR-948 EVRS-844	EVR-1044 EVRS-1044	EVR-1054 EVRS-1054	EVR-1252 EVRS-1252	EVR-1354 EVRS-1354	EVC-835 EVCS-835	EVC-1035 EVCS-1035	EVRC-1054 EVRCS-1054	EVRC-1354 EVRCS-1354
Brine Refill	2	3	3	4.5	6	7.5	1.5	3	2.8	4.5
Regenerant (lbs)	3.4	4.5	4.5	7.0	9.0	11.5	2.3	4.5	4.5	7
Service	240	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	8	8	8
Brine and Rinse	40	60	60	90	90	90	40	60	90	90
Rinse	4	4	4	4	4	4	4	4	4	4
Total	**50**	**72**	**72**	**102**	**104**	**104**	**50**	**72**	**102**	**104**

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

EVR and EVRS -844, -948, -1044, -1054, -1252, -1354, EVC and EVCS -835, -1035, EVRC and EVRCS -1054 and -1354 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.

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