



BETTER SCIENCE. BRILLIANT WATER.®

EVOLVE SERIES® SOFTENER UPFLOW SPECIFICATIONS

EVR/EVRS/EVC/EVCS Specifications

MODEL		EVR-844U EVRS-844U	EVR-948U EVRS-948U	EVR-1044U EVRS-1044U	EVR-1054U EVRS-1054U	EVR-1252U EVRS-1252U	EVR-1354U EVRS-1354U	Cabinet Models	
		EVC-835U EVCS-835U	EVC-1035U EVCS-1035U						
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 (°F)		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	13.5"W x 42.5"H x 22.5"D	13.5"W x 42.5"H x 22.5"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 "medium 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/EVRCU Specifications

MODEL		EVRC-1054U EVRCU-1054U	EVRC-1354U EVRCU-1354U
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 (°F)		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



†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.

‡Unit not tested for capacity at these peak flow rates. Water quality may vary.

Cycle Times And Salt Usage (in minutes)

MODEL	EVR-844U EVRS-844U	EVR-948U EVRS-948U	EVR-1044U EVRS-1044U	EVR-1054U EVRS-1054U	EVR-1252U EVRS-1252U	EVR-1354U EVRS-1354U	EVC-835U EVCS-835U	EVC-1035U EVCS-1035U	EVRC-1054U EVRCU-1054U	EVRC-1354U EVRCU-1354U
Brine Refill	4	6	6	10	12	12	4	6	2.8	4.5
Regenerant (lbs)	6.0	9.0	9.0	15.0	18.0	18.0	6.0	9.0	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.										
Regenerate	90	90	90	90	90	90	90	90	90	90
Backwash	8	8	8	8	8	8	8	8	8	8
Rapid Rinse	4	4	4	4	4	4	4	4	4	4
Total	102	102	102	102	102	102	102	102	102	104

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

EVR-U and EVRS-U -844, -948, -1044, -1054, -1252, -1354, EVRC-U and EVRCU-U -835, -1035, and EVRC and EVRCU -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.

