

CSE-U/CSP-U/CSEC-U/CSPC-U Specifications

MODEL		CSE-844U CSP-844U	CSE-948U CSP-948U	CSE-1044U CSP-1044U	CSE-1054U CSP-1054U	CSE-1248U CSP-1248U	CSE-1354U CSP-1354U	CSEC-835U CSPC-835U	CSEC-1035U CSPC-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	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	13.5"W x 42.5"H x 20.5"D	13.5"W x 42.5"H x 20.5"D
		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.

*CSERC-U/CSPRC-U Specifications

MODEL		CSERC-1054U CSPRC-1054U	CSERC-1354U CSPRC-1354U
Capacity: (Grains/Lbs. NaCl)	Minimum	23,600 @ 6.0	35,400 @ 9.0
	Medium	28,400 @ 9.0	44,400 @ 15.0
	Maximum	32,000 @ 15.0	48,800 @ 21.0
Amount of Resin Media (Cu. Ft.)		1.0	1.5
Amount of Carbon Media (Cu. Ft.)		.5	1.0
Maximum Water Hardness (GPG)		75	100
Maximum Iron (PPM)		1.0	1.0
Peak Flow Rate (GPM @ P-PSI)		15.6 @ 15.0	20.4 @ 15.0
Continuous Flow Rate (GPM @ P-PSI)		9.7 @ 7.5	13.2 @ 7.5
Water Pressure Range (PSI)		25-100	25-100
Water Temp. (°F)		33-100	33-100
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

*All CareSoft Elite and CareSoft Pro series upflow water conditioners are factory preset at medium salting.

*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.

*CSERC-U and CSPRC-U units are not certified by WQA.



Cycle Times and Salt Usage (in minutes)

MODEL	CSE-844U CSP-844U	CSE-948U CSP-948U	CSE-1044U CSP-1044U	CSE-1054U CSP-1054U	CSE-1248U CSP-1248U	CSE-1354U CSP-1354U	CSEC-835U CSPC-835U	CSEC-1035U CSPC-1035U	CSERC-1054U CSPRC-1054U	CSERC-1354U CSPRC-1354U
Brine Refill	4	6	6	10	12	12	4	6	6	10
Regenerant (lbs)	6.0	9.0	9.0	15.0	18.0	18.0	6.0	9.0	9.0	15.0
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	102

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

CSE-U and CSP-U -844, -948, -1044, -1054, -1248, -1354 and CSEC-U and CSPC-U -835, -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.

