Water Softener & RC Softener
Specifications

PRO

APR SPECIFICATIONS

MODEL		APR-1044	APR-1054	APR-1354	Cabinet Models APRCAB-1035
[1]Capacity: (Grains/Lbs. NaCl)	Minimum	18,700 @ 4.5	29,200 @ 6.75	48,600 @ 11.25	23,600 @ 6.0
	Medium	24,300 @ 9.0	38,000 @ 13.5	63,400 @ 22.5	28,400 @ 9.0
	Maximum	27,200 @ 15.0	42,700 @ 22.5	71,100 @ 37.5	32,000 @ 15.0
Amount of Media (Cu. Ft.)		1.0	1.5	2.5	1.0
Efficiency at 1 lb Salt Setting (Grains/Lbs Salt)		4,144 @ 1.0 lb	4,322 @ 1.0 lb	4,322 @ 1.0 lb	4,322 @ 1.0 lb
Maximum Water Hardness (GPG)		75	100	100	75
[2]Maximum Iron (PPM)		1.0	1.0	1.0	1.0
[3]Peak Flow Rate (GPM @ P-PSI)		17.1 @ 14.0	15.8 @ 15.0	19.5 @ 15.0	17.1 @ 15.0
Continuous Flow Rate (GPM @ P-PSI)		5.0 @ 2.8	5.0 @ 3.8	5.0 @ 2.4	5.0 @ 2.8
Water Pressure Range (PSI)		25-100	25-100	25-100	25-100
Max. Flow Rate (GPM) to Drain during Regeneration		2.2	2.2	3.2	2.2
Water Consumption During Regeneration (GAL)		45.6	55.3	84.4	45.6
Water Temp. (ºF)		33-100	33-100	33-100	33-100
Electrical Requirements (volts-hertz)		110-50/60	110-50/60	110-50/60	110-50/60
Pipe Size		1″	1″	1″	1″
Total Dimensions:	Media Tank and Valve	10″W x 52″H	10″W x 62″H	13″W x 62″H	[4]14″W x 43.5″H x 20.5″
	Brine Tank	18″W x 33″H	18″W x 33″H	18″W x 40″H	

[1] All water softeners are set at minimum salting.

[2] 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.

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

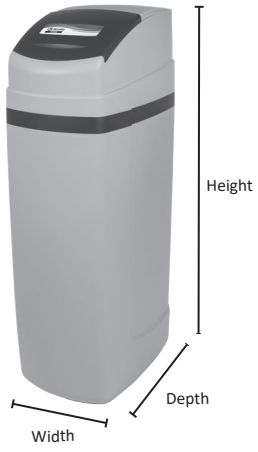
[4] Cabinet dimensions represent the High-Profile cabinet option. Cabinets units are available in high-profile only.

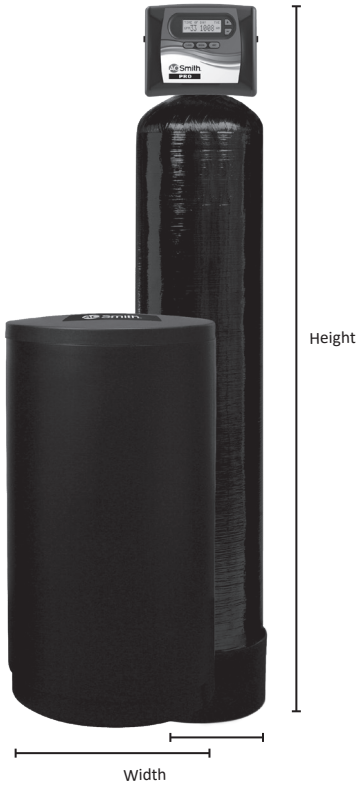
APRC SPECIFICATIONS

MODEL		APRC-1054	APRC-1354
[1]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
Water Consumption During Regeneration (GAL)		90	139
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] All water softeners are set at minimum salting.

High Profile Cabinet





CYCLE TIMES AND USAGE

MODEL	APR-1044		APR-1054		APR-1354		APRCAB-1035		APRC-1054		APRC-1354	
	MIN.	GAL.	MIN.	GAL.	MIN.	GAL.	MIN.	GAL.	MIN.	GAL.	MIN.	GAL.
Brine Refill	3	1.5	5	2.3	8	4	6	3	2.8	1.5	4.5	2.25
Service	240	0	240	0	240	0	240	0	240	0	240	0
The above sequence takes place prior to regeneration; therefore minutes are not included in totals												
Backwash	8	18	8	18	10	32	8	22	8	42	8	60
Brine & Rinse	60	20	90	29	90	40	60	24	90	24	90	47
Rapid Rinse	4	9	4	9	4	13	4	11	4	21	4	30
Total	**72**	**47**	**102**	**58**	**104**	**88**	**72**	**60**	**102**	**89**	**102**	**139**

APR-1044, -1054, -1354 and APRC-1054, -1354 are certified by WQA to NSF/ANSI 44 for the reduction of hardness as verified and substantiated by test data.

The system is not intended to be used for treating water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. The system conforms to NSF/ANSI 44 for the specific performance claims as verified and substantiated by test data.

An efficiency rated water softener is a DIR softener, which also complies with specific performance specifications intended to minimize the amount of regenerant brine and water used in its operation. Efficiency rated water softeners shall have a rated salt efficiency of not less than 3350 grains of total hardness exchange per pound of salt (based on NaCl equivalency) (477 g of total hardness exchange per kilogram of salt) 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; that the test represents the maximum possible efficiency the system can achieve; that operational efficiency is the actual efficiency achieved after the system has been installed; and that 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. Efficiency was determined in accordance with NSF/ANSI 44 and that the efficiency rating is only valid at the stated salt dosage and maximum service flow rate.