

C47 Series 1 – 2" Water Softener/Iron Reduction Systems



Commercial Water Softeners

MODEL C47-	Rated Softener Capacity (Grains)			Maximum Fe/Mg Removal	Minimum pH Correction	Service Flow Rate		Backwash Flow Rate (GPM)	Pipe Size		Media Volume (Cu. Ft.)	Gravel (Lbs)	Tank Color	Tank Size (Diameter x Ht in inches)		Salt Storage ³ (Lbs)	Floor Space Requirements (L x W x H in inches)			Shipping Weight (Lbs)		
	Minimum	Medium	Maximum			Continuous ¹	Peak ²		Service	Drain				Softener	Brine Tank		Without Grid/With Grid	Single	Twin	Triplex	Single	Twin
1CR13-15	28,000	34,000	37,000	10	6	30	40	7.5	1½"	¾"	2.5	28	Gray	13x54	19x37	450/350	36x18x60	51x18x60	66x18x60	152	288	424
1CR14-12	40,000	47,000	52,000	10	6	24	32	9.0	1¼"	¾"	3.0	30	Gray	14x65	19x37	450/320	38x18x72	55x18x72	72x18x72	236	476	676
33						44	9.0	1½"	¾"	38x18x72							55x18x72	72x18x72	242	482	694	
39						50	9.0	2"	¾"	38x18x77							55x18x77	72x18x77	256	496	736	
1CR16-12	51,000	60,000	67,000	10	6	25	34	12.0	1¼"	1"	4.0	40	Gray	16x65	24x41	700/600	46x24x72	65x24x75	84x24x75	416	706	996
36						50	12.0	1½"	1"	46x24x73							65x24x74	87x24x72	422	718	1014	
47						60	12.0	2"	1"	46x24x77							65x24x77	84x24x77	426	746	1056	
1CR18-12	62,000	74,000	81,000	10	6	27	35	15.0	1¼"	1"	5.0	50	Natural	18x65	24x50	900/725	48x24x74	69x24x75	90x24x74	512	898	1284
40						54	15.0	1½"	1"	48x24x74							65x24x72	90x24x74	518	910	1302	
53						69	15.0	2"	1"	48x24x80							65x24x80	90x24x80	532	938	1344	
1CR21-15	79,000	94,000	104,000	10	6	43	58	20.0	1½"	1"	7.0	100	Natural	21x62	24x50	900/675	51x24x74	75x24x74	99x24x74	629	1129	1629
45						60	20.0	2"	1"	51x24x74							75x24x79	99x24x79	643	1157	1671	
1CR24-15	113,000	134,000	148,000	10	6	45	60	25.0	1½"	1"	10.0	150	Natural	24x72	30x50	1400/1050	60x30x81	87x30x81	114x30x81	814	1499	2184
73						94	25.0	2"	1"	60x30x81							87x30x81	114x30x81	814	1499	2184	
2CR13-15	28,000	48,000	60,000	10	7	30	40	5.3	1½"	¾"	2.5	28	Gray	13x54	19x37	450/350	36x18x60	51x18x60	66x18x60	152	288	424
2CR14-12	40,000	68,000	84,000	10	7	24	32	7.5	1¼"	¾"	3.0	30	Gray	14x65	19x37	450/320	38x18x72	55x18x72	72x18x72	236	476	676
33						44	7.5	1½"	¾"	38x18x72							55x18x72	72x18x72	242	482	694	
39						50	7.5	2"	¾"	38x18x77							55x18x77	72x18x77	256	496	736	
2CR16-12	51,000	87,000	108,000	10	7	25	34	9.0	1¼"	1"	4.0	40	Gray	16x65	24x41	700/600	46x24x72	65x24x75	84x24x75	416	706	996
36						50	9.0	1½"	1"	46x24x73							65x24x74	87x24x72	422	718	1014	
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2CR18-12	62,000	106,000	132,000	10	7	27	35	12.0	1¼"	1"	5.0	50	Natural	18x65	24x50	900/725	48x24x74	69x24x75	90x24x74	512	898	1284
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2CR21-15	79,000	135,000	168,000	10	7	43	58	20.0	1½"	1"	7.0	100	Natural	21x62	24x50	900/675	51x24x74	75x24x74	99x24x74	629	1129	1629
66						85	20.0	2"	1"	51x24x74							75x24x79	99x24x79	643	1157	1671	
2CR24-15	113,000	193,000	240,000	10	7	45	60	25.0	1½"	1"	10.0	150	Natural	24x72	30x50	1400/1050	60x30x81	87x30x81	114x30x81	814	1499	2184
73						94	25.0	2"	1"	60x30x81							87x30x81	114x30x81	814	1499	2184	

¹ Normal Continuous Flow Rate @ 15 psi Pressure Loss
² Intermittent Peak Flow Rate @ 25 psi Pressure Loss
³ Salt Storage Capacity is calculated with a salt shelf

NOTE: Height and width based on fiberglass tanks and top mount control valve.
 NOTE: Shipping weight is dry.
 NOTE: For larger systems (up to 6) call for drawing and floor space requirements.

Operating Limits

Pressure (psi) 30-100
 Vacuum None
 Temperature 40-100° F
 Electrical 120V/60 Hz