

# C43 Series 1-1.25" Water Softeners



Commercial Water Softeners

MODEL C43-	Rated Softener Capacity (Grains)			Service Flow Rate		Resin Volume (Cu.Ft.)	Gravel (Lbs)	Backwash Flow Rate (GPM)	Tank Size (Diameter x H in inches)		Salt Storage (Lbs)	Pipe Size		Floor Space Requirements (L x W x H in inches)			Shipping Weight (Lbs)		
	Minimum <sup>1</sup>	Medium <sup>2</sup>	Maximum <sup>3</sup>	Continuous <sup>4</sup>	Peak <sup>5</sup>				Softener	Brine Tank		Without Grid/With Grid	Service	Drain	Single	Twin	Triplex	Single	Twin
<b>0030-10</b> <b>0030-12</b>	20,000	25,000	30,000	15 20	22 26	1.0	15	2.2	10x44	19x37	390/350	1"	3/4"	33x18x55 33x18x55	45x18x55 45x18x55	57x18x55 57x18x55	82	151	221
<b>0060-10</b> <b>0060-12</b>	40,000	50,000	60,000	18 21	25 29	2.0	20	3.2	12x48	19x37	390/350	1" 1 1/4"	3/4" 3/4"	36x18x59 36x18x59	51x18x59 51x18x59	66x18x59 66x18x59	144	271	399
<b>0075-10</b> <b>0075-12</b>	50,000	62,500	75,000	20 24	26 31	2.5	25	3.2	13x54	19x37	390/350	1" 1 1/4"	3/4" 3/4"	36x18x65 36x18x65	51x18x65 51x18x65	66x18x65 66x18x65	164	291	459
<b>0090-10</b> <b>0090-12</b>	60,000	75,000	90,000	20 24	27 33	3.0	30	5.3	14x65	24x41	660/625	1" 1 1/4"	3/4" 3/4"	38x24x76 38x24x76	55x24x76 55x24x76	72x24x76 72x24x76	228	439	651
<b>0120-10</b> <b>0120-12</b>	80,000	100,000	120,000	22 26	29 35	4.0	40	6.5	16x65	24x41	660/625	1" 1 1/4"	3/4" 3/4"	46x24x76 46x24x76	65x24x76 65x24x76	84x24x76 87x24x76	408	689	971
<b>0150-10</b> <b>0150-12</b>	100,000	125,000	150,000	23 28	30 37	5.0	50	7.5	18x65	24x50	840/790	1" 1 1/4"	3/4" 3/4"	48x24x78 48x24x78	69x24x78 69x24x78	90x24x78 90x24x78	502	881	1179
<b>0180-10</b> <b>0180-12</b>	120,000	150,000	180,000	25 29	31 39	6.0	100	12.0	21x62	24x50	840/790	1" 1 1/4"	1" 1"	51x24x78 51x24x78	75x24x78 75x24x78	99x24x78 99x24x78	613	1100	1427
<b>0210-10</b> <b>0210-12</b>	140,000	175,000	210,000	25 28	32 39	7.0	100	12.0	21x62	24x50	840/735	1" 1 1/4"	1" 1"	51x24x78 51x24x78	75x24x78 75x24x78	99x24x78 99x24x78	664	1202	1580

<sup>1</sup> Minimum Capacity based on 6 pounds per Cubic Foot Salt Dosage  
<sup>2</sup> Medium Capacity based on 10 pounds per Cubic Foot Salt Dosage  
<sup>3</sup> Maximum Capacity based on 15 pounds per Cubic Foot Salt Dosage  
<sup>4</sup> Normal Continuous Flow Rate @ 15 psi Pressure Loss  
<sup>5</sup> Intermittent Peak Flow Rate @ 25 psi Pressure Loss

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

# C43 Series 1.5-2" Water Softeners



Commercial Water Softeners

MODEL C43-	Rated Softener Capacity (Grains)			Service Flow Rate		Resin Volume (Cu.Ft.)	Gravel (Lbs)	Backwash Flow Rate (GPM)	Tank Size (Diameter x H in inches)		Salt Storage (Lbs)	Pipe Size		Floor Space Requirements (L x W x H in inches)			Shipping Weight (Lbs)		
	Minimum <sup>1</sup>	Medium <sup>2</sup>	Maximum <sup>3</sup>	Continuous <sup>4</sup>	Peak <sup>5</sup>				Softener	Brine Tank		Without Grid/ With Grid	Service	Drain	Single	Twin	Triplex	Single	Twin
<b>0075-15</b>	50,000	62,500	75,000	34	43	2.5	25	3.2	13x54	19x37	390/350	1½"	¾"	36x18x69	51x18x69	66x18x69	180	344	528
<b>0090-15</b>	60,000	75,000	90,000	33	46	3.0	30	5.3	14x65	24x41	660/625	1½"	¾"	38x24x80	55x24x80	72x24x80	244	472	700
<b>0090-20</b>				39	54								252				488	724	
<b>0120-15</b>	80,000	100,000	120,000	40	56	4.0	40	6.5	16x65	24x41	660/625	1½"	¾"	46x24x80	65x24x80	84x24x80	424	722	1020
<b>0120-20</b>				48	67								432				738	1044	
<b>0150-15</b>	100,000	125,000	150,000	45	62	5.0	50	7.5	18x65	24x50	840/790	1½"	¾"	48x24x82	69x24x82	90x24x82	520	914	1308
<b>0150-20</b>				62	85								528				930	1332	
<b>0180-15</b>	120,000	150,000	180,000	48	64	6.0	100	12.0	21x62	24x50	840/790	1½"	1"	51x24x82	75x24x82	99x24x82	631	1133	1635
<b>0180-20</b>				64	90								639				1149	1659	
<b>0210-15</b>	140,000	175,000	210,000	47	62	7.0	100	12.0	21x62	24x50	840/735	1½"	1"	51x24x82	75x24x82	99x24x82	682	1235	1788
<b>0210-20</b>				64	85								690				1251	1812	
<b>0240-15</b>	160,000	200,000	240,000	54	70	8.0	175	15.0	24x72	24x50	840/735	1½"	1"	54x24x89	81x24x89	108x24x89	822	1515	2208
<b>0240-20</b>				74	101								830				1531	2232	
<b>0270-15</b>	180,000	225,000	270,000	54	70	9.0	175	15.0	24x72	24x50	840/735	1½"	1"	54x24x89	81x24x89	108x24x89	873	1617	2361
<b>0270-20</b>				73	101								881				1633	2385	
<b>0300-15</b>	200,000	250,000	300,000	53	69	10.0	175	15.0	24x72	30x50	1300/1090	1½"	1"	54x30x89	81x30x89	108x30x89	924	1719	2514
<b>0300-20</b>				71	100								932				1735	2538	
<b>0450-15</b>	300,000	375,000	450,000	58	76	15.0	250	25.0	30x72	30x50	1300/970	1½"	1½"	66x30x101	99x30x101	132x30x101	1479	2749	4019
<b>0450-20</b>				92	126								1487				2765	4043	
<b>0600-20</b>	400,000	500,000	600,000	100	135	20.0	450	35.0	36x72	39x48	2010/1760	2"	1½"	81x39x104	120x39x104	159x39x104	2111	3902	5693
<b>0750-20</b>	500,000	625,000	750,000	113	145	25.0	700	45.0	42x72	39x60	2600/2250	2"	1½"	87x39x103	132x39x103	177x39x103	3015	5697	8379
<b>0900-20</b>	600,000	750,000	900,000	110	143	30.0	700	45.0	42x72	42x60	2890/2485	2"	1½"	90x42x103	135x42x103	177x42x103	3015	5697	8379
<b>1050-20</b>	700,000	875,000	1,050,000	115	150	35.0	1000	55.0	48x72	50x60	4200/3790	2"	1½"	104x50x101	155x50x101	206x50x101	4107	7701	11295
<b>1200-20</b>	800,000	1,000,000	1,200,000	112	147	40.0	1000	55.0	48x72	50x60	4200/3315	2"	1½"	104x50x101	155x50x101	206x50x101	4362	8211	12060

<sup>1</sup> Minimum Capacity based on 6 pounds per Cubic Foot Salt Dosage  
<sup>2</sup> Medium Capacity based on 10 pounds per Cubic Foot Salt Dosage  
<sup>3</sup> Maximum Capacity based on 15 pounds per Cubic Foot Salt Dosage  
<sup>4</sup> Normal Continuous Flow Rate @ 15 psi Pressure Loss  
<sup>5</sup> Intermittent Peak Flow Rate @ 25 psi Pressure Loss

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

# C43 Series 3" Water Softeners



Commercial Water Softeners

MODEL C43-	Rated Softener Capacity (Grains)			Service Flow Rate		Resin Volume (Cu.Ft.)	Gravel (Lbs)	Backwash Flow Rate (GPM)	Tank Size (Diameter x H in inches)		Salt Storage (Lbs)	Pipe Size		Floor Space Requirements (L x W x H in inches)			Shipping Weight (Lbs)		
	Minimum <sup>1</sup>	Medium <sup>2</sup>	Maximum <sup>3</sup>	Continuous <sup>4</sup>	Peak <sup>5</sup>				Softener	Brine Tank		Without Grid/ With Grid	Service	Drain	Single	Twin	Triplex	Single	Twin
<b>0240-30</b>	160,000	200,000	240,000	120	166	8.0	175	15.0	24x72	24x50	840/735	3"	2"	54x24x92	81x24x92	108x24x92	858	1587	2316
<b>0270-30</b>	180,000	225,000	270,000	117	162	9.0	175	15.0	24x72	24x50	840/735	3"	2"	54x24x92	81x24x92	104x24x92	909	1689	2469
<b>0300-30</b>	200,000	250,000	300,000	114	160	10.0	175	15.0	24x72	30x50	1300/1090	3"	2"	54x30x92	81x30x92	108x30x92	960	1791	2622
<b>0450-30</b>	300,000	375,000	450,000	145	194	15.0	250	25.0	30x72	30x50	1300/970	3"	2"	66x30x103	99x30x103	132x30x103	1515	2821	4127
<b>0600-30</b>	400,000	500,000	600,000	171	232	20.0	450	35.0	36x72	39x48	2010/1760	3"	2"	81x39x106	120x39x106	159x39x106	2139	3958	5777
<b>0750-30</b>	500,000	625,000	750,000	195	265	25.0	700	45.0	42x72	39x60	2600/2250	3"	2"	97x39x107	132x39x107	177x39x107	3043	5753	8463
<b>0900-30</b>	600,000	750,000	900,000	190	255	30.0	700	45.0	42x72	42x60	2890/2485	3"	2"	90x42x107	135x42x107	177x42x107	3043	5753	8463
<b>1050-30</b>	700,000	875,000	1,050,000	207	270	35.0	1000	55.0	48x72	50x60	4200/3790	3"	2"	104x50x105	115x50x105	206x50x105	4135	7757	11379
<b>1200-30</b>	800,000	1,000,000	1,200,000	204	265	40.0	1000	55.0	48x72	50x60	4200/3315	3"	2"	104x50x105	155x50x105	206x50x105	4390	8267	12144

<sup>1</sup> Minimum Capacity based on 6 pounds per Cubic Foot Salt Dosage  
<sup>2</sup> Medium Capacity based on 10 pounds per Cubic Foot Salt Dosage  
<sup>3</sup> Maximum Capacity based on 15 pounds per Cubic Foot Salt Dosage  
<sup>4</sup> Normal Continuous Flow Rate @ 15 psi Pressure Loss  
<sup>5</sup> Intermittent Peak Flow Rate @ 25 psi Pressure Loss

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

# C43 Series 1 – 3" Water Softeners



Commercial Water Softeners

MODEL C43-	Rated Softener Capacity (Grains)			Service Flow Rate		Resin Volume (Cu.Ft.)	Gravel (Lbs)	Backwash Flow Rate (GPM)	Tank Size (Diameter x H in inches)		Salt Storage (Lbs)	Pipe Size		Floor Space Requirements (L x W x H in inches)			Shipping Weight (Lbs)		
	Minimum <sup>1</sup>	Medium <sup>2</sup>	Maximum <sup>3</sup>	Continuous <sup>4</sup>	Peak <sup>5</sup>				Softener	Brine Tank		Without Grid/ With Grid	Service	Drain	Single	Twin	Triplex	Single	Twin
<b>0030-10</b> <b>0030-12</b>	20,000	25,000	30,000	15 20	22 26	1.0	15	2.2	10x44	19x37	390/350	1"	¾"	33x18x55 33x18x55	45x18x55 45x18x55	57x18x55 57x18x55	82 82	151 151	221 221
<b>0060-10</b> <b>0060-12</b>	40,000	50,000	60,000	18 21	25 29	2.0	20	3.2	12x48	19x37	390/350	1" 1¼"	¾" ¾"	36x18x59 36x18x59	51x18x59 51x18x59	66x18x59 66x18x59	144 144	271 271	399 399
<b>0075-10</b> <b>0075-12</b> <b>0075-15</b>	50,000	62,500	75,000	20 24 34	26 31 43	2.5	25	3.2	13x54	19x37	390/350	1" 1¼" 1½"	¾" ¾" ¾"	36x18x65 36x18x65 36x18x69	51x18x65 51x18x65 51x18x69	66x18x65 66x18x65 66x18x69	164 164 180	291 291 344	459 459 528
<b>0090-10</b> <b>0090-12</b> <b>0090-15</b> <b>0090-20</b>	60,000	75,000	90,000	20 24 33 39	27 33 46 54	3.0	30	5.3	14x65	24x41	660/625	1" 1¼" 1½" 2"	¾" ¾" ¾" ¾"	38x24x76 38x24x76 38x24x80 38x24x80	55x24x76 55x24x76 55x24x80 55x24x80	72x24x76 72x24x76 72x24x80 72x24x80	228 228 244 252	439 439 472 488	651 651 700 724
<b>0120-10</b> <b>0120-12</b> <b>0120-15</b> <b>0120-20</b>	80,000	100,000	120,000	22 26 40 48	29 35 56 67	4.0	40	6.5	16x65	24x41	660/625	1" 1¼" 1½" 2"	¾" ¾" ¾" ¾"	46x24x76 46x24x76 46x24x80 46x24x80	65x24x76 65x24x76 65x24x80 65x24x80	84x24x76 87x24x76 84x24x80 84x24x80	408 408 424 432	689 689 722 738	971 971 1020 1044
<b>0150-10</b> <b>0150-12</b> <b>0150-15</b> <b>0150-20</b>	100,000	125,000	150,000	23 28 45 62	30 37 62 85	5.0	50	7.5	18x65	24x50	840/790	1" 1¼" 1½" 2"	¾" ¾" ¾" ¾"	48x24x78 48x24x78 48x24x82 48x24x82	69x24x78 69x24x78 69x24x82 69x24x82	90x24x78 90x24x78 90x24x82 90x24x82	502 502 520 528	881 881 914 930	1179 1179 1308 1332
<b>0180-10</b> <b>0180-12</b> <b>0180-15</b> <b>0180-20</b>	120,000	150,000	180,000	25 29 48 64	31 39 64 90	6.0	100	12.0	21x62	24x50	840/790	1" 1¼" 1½" 2"	1" 1" 1" 1"	51x24x78 51x24x78 51x24x82 51x24x82	75x24x78 75x24x78 75x24x82 75x24x82	99x24x78 99x24x78 99x24x82 99x24x82	613 613 631 639	1100 1100 1133 1149	1427 1427 1635 1659
<b>0210-10</b> <b>0210-12</b> <b>0210-15</b> <b>0210-20</b>	140,000	175,000	210,000	25 28 47 64	32 39 62 85	7.0	100	12.0	21x62	24x50	840/735	1" 1¼" 1½" 2"	1" 1" 1" 1"	51x24x78 51x24x78 51x24x82 51x24x82	75x24x78 75x24x78 75x24x82 75x24x82	99x24x78 99x24x78 99x24x82 99x24x82	664 664 682 690	1202 1202 1235 1251	1580 1580 1788 1812
<b>0240-15</b> <b>0240-20</b> <b>0240-30</b>	160,000	200,000	240,000	54 74 120	70 101 166	8.0	175	15.0	24x72	24x50	840/735	1½" 2" 3"	1" 1" 2"	54x24x89 54x24x89 54x24x92	81x24x89 81x24x89 81x24x92	108x24x89 108x24x89 108x24x92	822 830 858	1515 1531 1587	2208 2232 2316
<b>0270-15</b> <b>0270-20</b> <b>0270-30</b>	180,000	225,000	270,000	54 73 117	70 101 162	9.0	175	15.0	24x72	24x50	840/735	1½" 2" 3"	1" 1" 2"	54x24x89 54x24x89 54x24x92	81x24x89 81x24x89 81x24x92	108x24x89 108x24x89 104x24x92	873 881 909	1617 1633 1689	2361 2385 2469
<b>0300-15</b> <b>0300-20</b> <b>0300-30</b>	200,000	250,000	300,000	53 71 114	69 100 160	10.0	175	15.0	24x72	30x50	1300/1090	1½" 2" 3"	1" 1" 2"	54x30x89 54x30x89 54x30x92	81x30x89 81x30x89 81x30x92	108x30x89 108x30x89 108x30x92	924 932 960	1719 1735 1791	2514 2538 2622

<sup>1</sup> Minimum Capacity based on 6 pounds per Cubic Foot Salt Dosage  
<sup>2</sup> Medium Capacity based on 10 pounds per Cubic Foot Salt Dosage  
<sup>3</sup> Maximum Capacity based on 15 pounds per Cubic Foot Salt Dosage  
<sup>4</sup> Normal Continuous Flow Rate @ 15 psi Pressure Loss  
<sup>5</sup> Intermittent Peak Flow Rate @ 25 psi Pressure Loss

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



# C43 Series 1 – 3" Water Softeners



Commercial Water Softeners

MODEL C43-	Rated Softener Capacity (Grains)			Service Flow Rate		Resin Volume (Cu. ft.)	Gravel (Lbs)	Backwash Flow Rate (GPM)	Tank Size (Diameter x H in inches)		Salt Storage (Lbs)	Pipe Size		Floor Space Requirements (L x W x H in inches)			Shipping Weight (Lbs)		
	Minimum <sup>1</sup>	Medium <sup>2</sup>	Maximum <sup>3</sup>	Continuous <sup>4</sup>	Peak <sup>5</sup>				Softener	Brine Tank		Without Grid/With Grid	Service	Drain	Single	Twin	Triplex	Single	Twin
<b>0450-15</b> <b>0450-20</b> <b>0450-30</b>	300,000	375,000	450,000	58 92 145	76 126 194	15.0	250	25.0	30x72	30x50	1300/970	1 1/2" 2" 3"	1 1/2" 1 1/2" 2"	66x30x101 66x30x101 66x30x103	99x30x101 99x30x101 99x30x103	132x30x101 132x30x101 132x30x103	1479 1487 1515	2749 2765 2821	4019 4043 4127
<b>0600-20</b> <b>0600-30</b>	400,000	500,000	600,000	100 171	135 232	20.0	450	35.0	36x72	39x48	2010/1760	2" 3"	1 1/2" 2"	81x39x104 81x39x106	120x39x104 120x39x106	159x39x104 159x39x106	2111 2139	3902 3958	5693 5777
<b>0750-20</b> <b>0750-30</b>	500,000	625,000	750,000	113 195	145 265	25.0	700	45.0	42x72	39x60	2600/2250	2" 3"	1 1/2" 2"	87x39x103 97x39x107	132x39x103 132x39x107	177x39x103 177x39x107	3015 3043	5697 5753	8379 8463
<b>0900-20</b> <b>0900-30</b>	600,000	750,000	900,000	110 190	143 255	30.0	700	45.0	42x72	42x60	2890/2485	2" 3"	1 1/2" 2"	90x42x103 90x42x107	135x42x103 135x42x107	177x42x103 177x42x107	3015 3043	5697 5753	8379 8463
<b>1050-20</b> <b>1050-30</b>	700,000	875,000	1,050,000	115 207	150 270	35.0	1000	55.0	48x72	50x60	4200/3790	2" 3"	1 1/2" 2"	104x50x101 104x50x105	155x50x101 115x50x105	206x50x101 206x50x105	4107 4135	7701 7757	11295 11379
<b>1200-20</b> <b>1200-30</b>	800,000	1,000,000	1,200,000	112 204	147 265	40.0	1000	55.0	48x72	50x60	4200/3315	2" 3"	1 1/2" 2"	104x50x101 104x50x105	155x50x101 155x50x105	206x50x101 206x50x105	4362 4390	8211 8267	12060 12144

<sup>1</sup> Minimum Capacity based on 6 pounds per Cubic Foot Salt Dosage  
<sup>2</sup> Medium Capacity based on 10 pounds per Cubic Foot Salt Dosage  
<sup>3</sup> Maximum Capacity based on 15 pounds per Cubic Foot Salt Dosage  
<sup>4</sup> Normal Continuous Flow Rate @ 15 psi Pressure Loss  
<sup>5</sup> Intermittent Peak Flow Rate @ 25 psi Pressure Loss

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.

