



AQUA MAGIC



Model

Model

Aqua Magic 2900 Series

	Model Number	FC2975	FC2990	FC29120	FC29150	FC29210	FC29300	FC29450	FC29600
Rated Softener Capacity (grains/lbs. Salt)	Min.	50,000/15	60,000/18	80,000/24	100,000/30	140,000/42	200,000/60	300,000/90	400,000/120
	Med.	60,000/22.5	72,000/27	96,000/36	120,000/45	168,000/63	240,000/90	360,000/135	480,000/180
	Max.	75,000/37.5	90,000/45	120,000/60	150,000/75	210,000/105	300,000/150	450,000/225	600,000/300
Amount of High-Capacity Cation Resin Media (cu.ft.)		2.5	3	4	5	7	10	15	20
Service Flow Rate (GPM) at 15 PSI Loss		40	39	47	52	60	68	84	87
Service Flow Rate (GPM) at 25 PSI Pressure Loss		56	54	64	72	77	91	110	110
Min. to Max. Working Pressure (PSI)		20-125	20-125	20-125	20-125	20-125	20-125	20-125	20-125
Min. to Max. Operating Temperature (°F)		40/110	40/110	40/110	40/110	40/110	40/110	40/110	40/110
Max Flow to Drain During Regeneration (GPM)		4	5	7	9	10	15	25	30
Electrical Requirements (Voltz-Hertz)		24V AC	24V AC	24V AC	24V AC	24V AC	24V AC	24V AC	24V AC
Pipe Size (Inches)		2	2	2	2	2	2	2	2
Total Dimensions	Tank Size	13x54	14x65	16x65	18x65	21x62	24x72	30x72	36x72
	Media Tank & Valve	13"D x 66"H	14"D x 77"H	16"D x 77"H	18"D x 77"H	21"D x 74"H	24"D x 84"H	30"D x 84"H	36"D x 84"H
	Brine Tank	24"D x 50"H	24"D x 50"H	24"D x 50"H	24"D x 50"H	24"D x 50"H	24"D x 50"H	30"D x 50"H	39"D x 50"H
	Max Salt Storage	900lbs	900lbs	900lbs	900lbs	900lbs	900lbs	1400lbs	1600lbs



Cycle Times

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Backwash	8	32	8	40	8	56	8	72	8	80	8	120	8	200	8	200
Brine and Rinse	60	49	60	81	60	90	60	108	60	144	60	189	60	309	60	405
Rinse	6	24	6	30	6	42	6	54	6	60	6	90	6	150	6	150
Brine Refill	3.75	7	4.5	9	6	12	7.5	15	10.5	21	15	30	22.5	45	30	60
Total	77.75	112	78.5	160	80	200	81.5	249	84.5	305	89	429	96.5	704	104	815

*Colored boxes are gallons of water used; White boxes are time in minutes

*All water softeners assembled by Frakco, Inc. are set at a medium-rated softener capacity. Systems are not intended for treating microbiologically unsafe or unknown water without adequate pre or post-disinfection. Performance can fluctuate based on water quality. All systems are built using NSF-certified components.