



AQUA MAGIC

3900

Model Specifications

<i>Model</i>		<i>Aqua Magic 3900 Series</i>				
<i>Rated Softener Capacity (grains/lbs. Salt)</i>	<i>Model Number</i>	FC39300	FC39450	FC39600	FC39900	FC391200
	Min.	200,000/60	300,000/90	400,000/120	600,000/180	800,000/240
	Med.	240,000/90	360,000/135	480,000/180	720,000/240	960,000/320
	Max.	300,000/150	450,000/225	600,000/300	900,000/450	1,200,000/600
<i>Amount of High-Capacity Cation Resin Media (cu.ft.)</i>		10	15	20	30	40
<i>Service Flow Rate (GPM) at 15 PSI Loss</i>		120	158	185	200	213
<i>Service Flow Rate (GPM) at 25 PSI Pressure Loss</i>		170	212	250	268	280
<i>Min. to Max. Working Pressure (PSI)</i>		20-125	20-125	20-125	20-125	20-125
<i>Min. to Max. Operating Temperature (°F)</i>		40/110	40/110	40/110	40/110	40/110
<i>Max Flow to Drain During Regeneration (GPM)</i>		15	25	30	50	70
<i>Electrical Requirements (Voltz-Hertz)</i>		24V AC	24V AC	24V AC	24V AC	24V AC
<i>Pipe Size (Inches)</i>		3	3	3	3	3
<i>Total Dimensions</i>	Tank Size	24x72	30x72	36x72	42x72	48x72
	Media Tank & Valve	24"D x 93"H	30"D x 91"H	36"D x 91"H	42"D x 100"H	48"D x 100"H
	Brine Tank	24"D x 50"H	30"D x 50"H	30"D x 50"H	42"D x 60"H	50"D x 60"H
	Max Salt Storage	700lbs	1000lbs	1200lbs	2500lbs	3000lbs



Cycle Times

<i>Model Number</i>	FC39300		FC39450		FC39600		FC39900		FC391200	
<i>Backwash</i>	8	32	8	40	8	56	8	72	8	80
<i>Brine and Rinse</i>	60	49	60	81	60	90	60	108	60	144
<i>Rinse</i>	6	24	6	30	6	42	6	54	6	60
<i>Brine Refill</i>	3.5	7	4.5	9	6	12	7.5	15	10.5	21
<i>Total</i>	77.5	112	78.5	160	80	200	81.5	249	84.5	305

*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.