



AQUA MAGIC



Model Specifications

Aqua Magic 3900 Series

| <i>Model</i> | | | | | | |
|--|--------------------|----------------|----------------|----------------|----------------|-----------------|
| <i>Model Number</i> | | FC39300 | FC39450 | FC39600 | FC39900 | FC391200 |
| Rated Softener Capacity (grains/lbs. Salt) | 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 |
| Amount of High-Capacity Cation Resin Media (cu.ft.) | | 10 | 15 | 20 | 30 | 40 |
| Service Flow Rate (GPM) at 15 PSI Loss | | 120 | 158 | 185 | 200 | 213 |
| Service Flow Rate (GPM) at 25 PSI Pressure Loss | | 170 | 212 | 250 | 268 | 280 |
| Min. to Max. Working Pressure (PSI) | | 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 |
| Max Flow to Drain During Regeneration (GPM) | | 15 | 25 | 30 | 50 | 70 |
| Electrical Requirements (Voltz-Hertz) | | 24V AC | 24V AC | 24V AC | 24V AC | 24V AC |
| Pipe Size (Inches) | | 3 | 3 | 3 | 3 | 3 |
| Total Dimensions | 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</i> | | | | | | | | | | | |
|------------------------|--|----------------|------------|----------------|------------|----------------|------------|----------------|------------|-----------------|------------|
| <i>Model Number</i> | | FC39300 | | FC39450 | | FC39600 | | FC39900 | | FC391200 | |
| Backwash | | 8 | 32 | 8 | 40 | 8 | 56 | 8 | 72 | 8 | 80 |
| Brine and Rinse | | 60 | 49 | 60 | 81 | 60 | 90 | 60 | 108 | 60 | 144 |
| Rinse | | 6 | 24 | 6 | 30 | 6 | 42 | 6 | 54 | 6 | 60 |
| Brine Refill | | 3.5 | 7 | 4.5 | 9 | 6 | 12 | 7.5 | 15 | 10.5 | 21 |
| Total | | 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.

