

AquAmerica Water Conditioning Systems

The AquAmerica Water Conditioners operate in two different cycles: **Service** and **Regeneration**.

Service Cycle - The Service Cycle is the mode during which the water is actually being treated.

Regeneration Cycle - The Regeneration Cycle is the several steps -- Backwash #1, Brine and Slow Rinse, Backwash #2, Rinse and Brine Refill -- necessary to accomplish the regeneration or rejuvenation of the resin bed.

Backwash #1 - Backwash is the first mode of the regeneration process. This mode is the upflow or counter-current flow of water through the resin for the purpose of thoroughly expanding the resin bed to remove foreign particulate matter accumulated during the service cycle and to flush it to the drain.

Brine and Slow Rinse - The water conditioner will draw the concentrated brine (salt) solution from the salt storage tank during the first portion of this cycle and slowly rinse the brine solution through the resin bed. The concentrated brine actually restores the resin bed back to capacity.

Backwash #2 - The second backwash mode is the upflow or counter-current flow of water through the resin for the purpose of rinsing any excess brine solution and debris from the resin bed.

Rinse - The downflow rinse cycle settles the resin bed maximizing operating efficiency.

Brine Tank Refill - Before returning to service the water conditioner will refill the salt storage tank with just enough water to make up a concentrated brine solution for the next regeneration.

AquAmerica System Specifications*

MODEL	15,000	24,000	32,000	40,000	48,000	64,000
Grains Capacity (1)	15,000	22,500	30,000	37,500	45,000	60,000
Grains Capacity (2)	12,000	18,000	24,000	30,000	36,000	48,000
Service Flow Rate, G.P.M.(3)	7	7	9	10	12	13
Cubic Ft. Softening Resin	0.50	0.75	1.00	1.25	1.50	2.00
Resin Tank Size	7' x 44"	8' x 44"	9' x 48"	10' x 44"	10' x 54"	12' x 48"
Overall Height	51"	51"	55"	51"	61"	55"
Floor Space Required	24' x 17'	25' x 17'	26' x 17'	27' x 17'	27' x 17'	29' x 17'
Approximate Weight	70#	83#	94#	110#	122#	146#

(1) - At 15 Pounds Per Cubic Foot Salt Setting = 30,000 Grains Capacity Per Cubic Foot.

(2) - At 9 Pounds Per Cubic Foot Salt Setting = 24,000 Grains Capacity Per Cubic Foot.

(3) - Due to varying water conditions, water pressures and assembly materials, the service flow rate should be used only as a guideline.

* - Due to engineering changes and/or product improvements, these specifications are subject to change without notice.

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