

# Nitrate & Tannin Removal



## ADVANTAGES OF SOFT WATER

- 💧 Radiant spot-free dishes
- 💧 Easier cleanup
- 💧 Cleaner fresher laundry
- 💧 Softer skin & manageable hair
- 💧 Save up to 50% on soap and cleaning products
- 💧 Better looking faucets and fixtures with no scale buildup
- 💧 Extend the life of your appliances
- 💧 Improved energy efficiency



## How it works

Aquatek water-softening systems remove calcium and magnesium ions from hard water by replacing them with sodium ions through a process called *Ion Exchange*. Calcium and magnesium, the two key culprits of hard water, are both positively charged molecules. As the hard water pumps through the softening system, it passes through a bed of negatively charged resin beads the opposites attract. The mineral deposits cling to the resin and the now-softened water exits the softener tank and flows throughout the house.

### ATNWS NITRATE – Media type: Cation / Nitrate

Nitrates are ions created when nitrogen combines with oxygen. Nitrates can occur both naturally and synthetically. The nitrate ion is composed of one nitrogen atom and three atoms of oxygen (NO<sub>3</sub>). Traditional water softeners like our ATWS-Systems do not remove nitrates from the water, however, Aquatek ATNWS-Systems will reduce Nitrates and soften your water simultaneously.

### ATTWS TANNIN – Media type: Cation / Tannin

Tannins are fermented organic materials that are created by the breakdown of vegetation. Tannins can cause yellow water and yellow staining on fabrics and fixtures. Tannins measuring 0.5 PPM or higher may cause staining and/or interference with various water treatment processes. ATTWS-Systems are formulated to remove Tannins and soften your water.

Add Wireless  
Low Salt Alerts!

R-2014  
Wireless  
Salt Sensor



**AQUATEK**  
INNOVATIVE WATER PRODUCTS  
**AT SERIES SPECIALTY  
WATER SOFTENERS**

## FEATURES

- ◆ Full port metered electronic control valve saves up to 50% salt & water usage
- ◆ Protects plumbing fixtures & appliances from hard water damage
- ◆ Tracks daily usage and automatically adjusts to match demand
- ◆ Eliminates water spots and lime scale build up
- ◆ Leaves your skin and hair softer and more manageable

QUESTIONS  
ABOUT SODIUM?



### Operating Parameters

Water Pressure Range	40 - 100 psi
Maximum Hardness	50 Grains Per Gallon
Maximum Iron	0 ppm - Clear

## SYSTEM SPECIFICATIONS:

Model Number	Grain Capacity	Flow Rate @ 15 psid	Pipe Size	Electrical	Salt Storage / Usage (lbs)	Brine Tank Size (in)	Mineral Tank Size (in)	Total System Size (in)
<b>ATNWS200-ME</b>	30,000	14	1" NPT Elbow	120v. 60Hz	250 / 20	16 x 33	12 x 52	30 x 30 x 65
<b>ATNWS300-ME</b>	45,000	17	1.25" NPT	120v. 60Hz	200 / 30	16 x 33	14 x 65	32 x 32 x 80
<b>ATTWS200-ME</b>	30,000	17	1" NPT Elbow	120v. 60Hz	200 / 20	16 x 33	12 x 52	30 x 30 x 65
<b>ATTWS300-ME</b>	45,000	21	1.25" NPT	120v. 60Hz	250 / 30	18 x 33	14 x 65	32 x 32 x 80
<b>R-2014</b>	<b>Description:</b>	Revere Wireless Low Salt Sensor. Add to any ATWS system and receive wireless updates when it is time to add salt.						