



FILTRATION

VESTA® AIO™ - Air Injection Oxidation

USING NATURE'S OWN PROCESS OF OXIDATION





Air Injection Oxidation

Does your water smell like rotten eggs? Do your sinks & toilets have orange staining? The VESTA AIO™ Air Injection Oxidation Filter System may be the answer to your water problems. The VESTA AIO™, as a single tank system, is an efficient and cost effective solution.

REDUCE IRON STAINING

Iron staining is a common problem in homes today. It causes orange staining on fixtures, as well as dingy clothes, and can have negative effects on both hair and skin.

PROTECT YOUR APPLIANCES

By reducing the iron and sulfur buildup in your water, your appliances will last longer. Rust and slime buildup make your appliances work harder and less efficiently, requiring more maintenance or replacement.

REDUCE SULFUR STENCH

Sulfur is easily detected by the presence of a “rotten egg” odor, and can be associated with yellow staining.

EFFICIENT AND CHEMICAL FREE

The need for additional equipment...air tanks, feed pumps, or harsh chemicals (like those used in Manganese Greensand Systems) is virtually eliminated!

REMOVES IRON AND SULFUR

Iron, Manganese and Sulfur, naturally occurring elements, can be removed using nature's own process of oxidation. The VESTA AIO™ maintains an "air pocket" in the top of the tank while the system is in service. As water passes through the air pocket, these elements are oxidized. The VESTA AIO™ filter media bed then removes the oxidized iron, manganese and sulfur from the water. Additionally, dissolved oxygen is added to the water.

The VESTA AIO™ can remove up to 7 ppm Iron and up to 8 ppm Hydrogen Sulfide. A daily backwash will remove accumulated iron and replenish the filter media bed. The regeneration process also adds a fresh air pocket to the system.

By reducing the iron and sulfur buildup in your water your appliances will last longer. Appliances that use iron-laden water, such as hot water heaters and dish or clothes washers, work harder and less efficiently and wear out faster than those using treated water.

Your professional VESTA water conditioning dealer is trained and dedicated to providing the best solution for your family and your home.



KEY FEATURES

- + Systems are efficient and chemical free
- + All VESTA controls feature solid state microprocessors with easy access front panel settings
- + Double backwash feature offers optimum regeneration, cleaning ability and efficiency
- + Fully adjustable regeneration cycles-saves water
- + Days override feature from 1 to 28 days available
- + Extended lithium battery backup
- + Stores system configuration and operation data in non-volatile memory
- + Easily programmed for optimum performance by your VESTA installer
- + Advanced history and diagnostic screens
- + High quality filtration medias to target specific water problems
- + VESTA brand plate style tank design delivers evenly distributed and high quality flows through the system





WATER SOLUTIONS

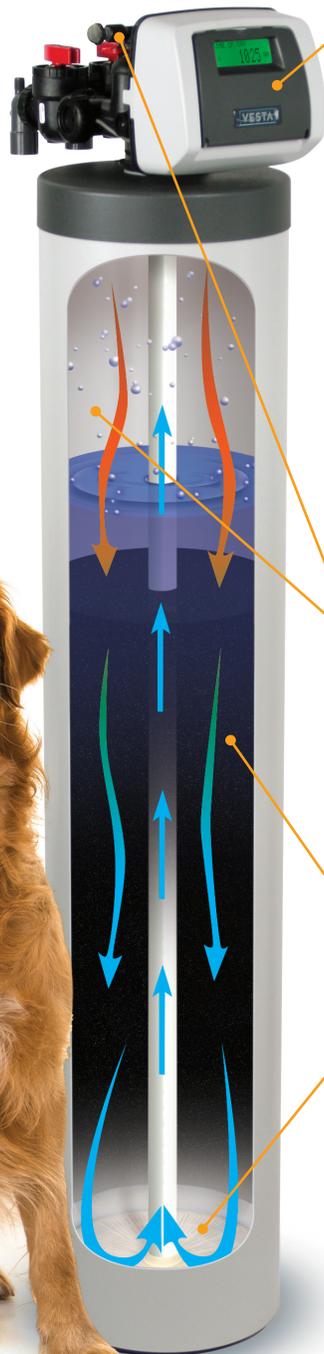
Extraordinary Water

VESTA AIO™ SOLUTIONS

Each VESTA AIO™ features a unique patented process. Most systems purge the air pocket in the tank violently during regeneration, potentially damaging plumbing and creating an excessive amount of noise. Our patented process slowly releases the air pocket during regeneration before replenishing the tank with a fresh pocket of air. Additionally, our system will delay the regeneration process and air release if water is being used in the home or business.

FROM OUR FAMILY TO YOURS...

Each VESTA Water Conditioner is designed and manufactured by Nelsen Corporation. For more than 65 years, our family owned company has been providing outstanding water treatment solutions. Your VESTA dealer is part of a select group of professionals who are trained and authorized to sell and service VESTA systems. From homes to schools, hospitals, restaurants and hotels, the innovative and state-of-the-art design of the VESTA line provides years of trouble-free service.



VESTA PROFESSIONAL SERIES CONTROL VALVE

- Simple diagnostics and design provide for easy maintenance
- Colored backlit screens for easy recognition of filtering or softening modes
- Color coded service reminders screens
- Dealer contact screen with phone number
- Patented technology provides a slow, quiet release to drain
- Built in backup of settings during power outages
- Control valve delays the start of regen if water usage is detected
- Optional weather cover available for outdoor installations
- Two individual relays for controlling other water treatment equipment

AIR DRAW

- Adds a fresh air pocket to the system during regeneration
- As water passes through the air pocket, iron, sulfur and manganese are oxidized. The media bed then removes the oxidized contaminants from the water, and dissolved oxygen is added to the water

EXCLUSIVE MEDIA BED

- Custom blends of media for efficient reduction of iron, manganese & sulfur

PLATE TANK STYLE DISTRIBUTION SYSTEM

- Delivers evenly distributed and high quality flows
- Large surface area of plate yields lower pressure drop over time.
- Enpress® Vortech™ Plate Tank style distribution system provides increased backwash efficiency using less water and saving money

VESTA AIO™ System Specifications

Filter Media Capacity (cu ft)	1.25	1.5	2.0	2.5
Mineral Tank Size - Vortech™	10" x 44"	10" x 54"	12" x 52"	13" x 54"
Service Flow Rate - Peak	7.0 gpm	8.0 gpm	11.5 gpm	13.0 gpm
Approximate Dimensions	11" x 17" x 52"	11" x 17" x 62"	13" x 17" x 60"	14" x 17" x 62"
Approximate Weight	115#	120#	137#	195#



YOUR AUTHORIZED VESTA DEALER:



Part # - VESTA AIO LIT