



# RESIDENTIAL

## Vesta® Salt Free Conditioners

YOUR FAMILY, YOUR HOME & YOUR WATER





## Your Water - City or Well

Many water supplies, municipal and groundwater, contain hardness minerals (calcium and magnesium), iron, rust, and sediment. These minerals form a scale and create problems in water heaters, washing machines, dishwashers, coffee makers, humidifiers, plumbing systems and process equipment.

### WHEN IS IT TIME TO SEEK PROFESSIONAL HELP FOR YOUR WATER?

- + If your tap water doesn't taste good
- + If your tap water doesn't smell good
- + If your tap water doesn't look good or is not clear
- + If your water doesn't lather properly when mixed with soap
- + If your water leaves scale or spots on surfaces
- + If you've had laboratory testing done and aren't sure how to solve the problems

Your Vesta Water Treatment Professional can help you sort through the options because water is complex, has many potential contaminants and there is no "one size fits all" solution. Vesta water conditioners are custom built to fit your particular needs.



## VESTA® SALT-FREE CONDITIONERS

Vesta salt-free water conditioners feature Filtersorb SP3 media. The media takes advantage of a technology in which the chemical structure of scale forming minerals is changed. Calcium and Magnesium hardness is transformed into non-soluble micro crystals. This technology is so effective that it requires a contact time of only seconds.

The media is used in an up-flow system with no backwashing necessary, therefore only an in-out head is needed. FilterSorb SP3 transforms the dissolved calcium carbonate (temporary hardness) into non-charged, neutral chemical bonds. The bonds are

completely stable and can't attach to any surfaces, so the chemical bonds are just rinsed away by the water flow.

The size of the bonds is so small, in the range of nanometers, they can only be seen with a microscope. Therefore the effect is the same as if the water was free of temporary hardness (calcium carbonate). The media is used to clean pipes from already existing scale and to help protect pipes and hardware from scale.

### FILTERSORB SP3 BENEFITS

- + Environmentally Friendly Green Technology
  - No Chemicals
  - No Salt
  - No added Sodium to the Water
  - No Maintenance
  - No Water Waste
- + No Change in TDS: FilterSorb® SP3 does not take out or add anything in the water. There is no ion-exchange chemistry (water softener) used so TDS remains unchanged before and after the treatment.
- + No Change to pH: pH of the water remains same making treated water suitable most applications where corrosion is a concern.
- + Rich Minerals Preserved: FilterSorb SP3 does not add sodium or other chemicals to the water, it simply converts the Calcium and Magnesium contents of water.
- + De-Scaling: FilterSorb SP3 prevents scale formation in water pipes and appliances, it also helps reduce the previously formed scale.
- + Biocides: The process creates a condition that water dissolved CO<sub>2</sub> accumulates to form micro-bubbles. These CO<sub>2</sub> bubbles actively destroy bacterial membranes acting as a biocide. So along with the scale prevention FilterSorb SP3 also helps prevent Biofouling.



#### VESTA IN/OUT TANK HEAD

- + Non-Electric System saves energy
- + Maintenance Free - System operates in Up-Flow configuration with no backwash or regeneration necessary

#### MEDIA BED

- + FilterSorb® SP3 is certified under ANSI/NSF 61 from WQA, USA
- + Uniform bead size and distribution for optimum flow rates
- + Leaves in beneficial minerals

#### VESTA BRAND PLATE STYLE DISTRIBUTION SYSTEM

- + Delivers evenly distributed and high quality flows
- + Large surface area of plate yields lower pressure drop over time.



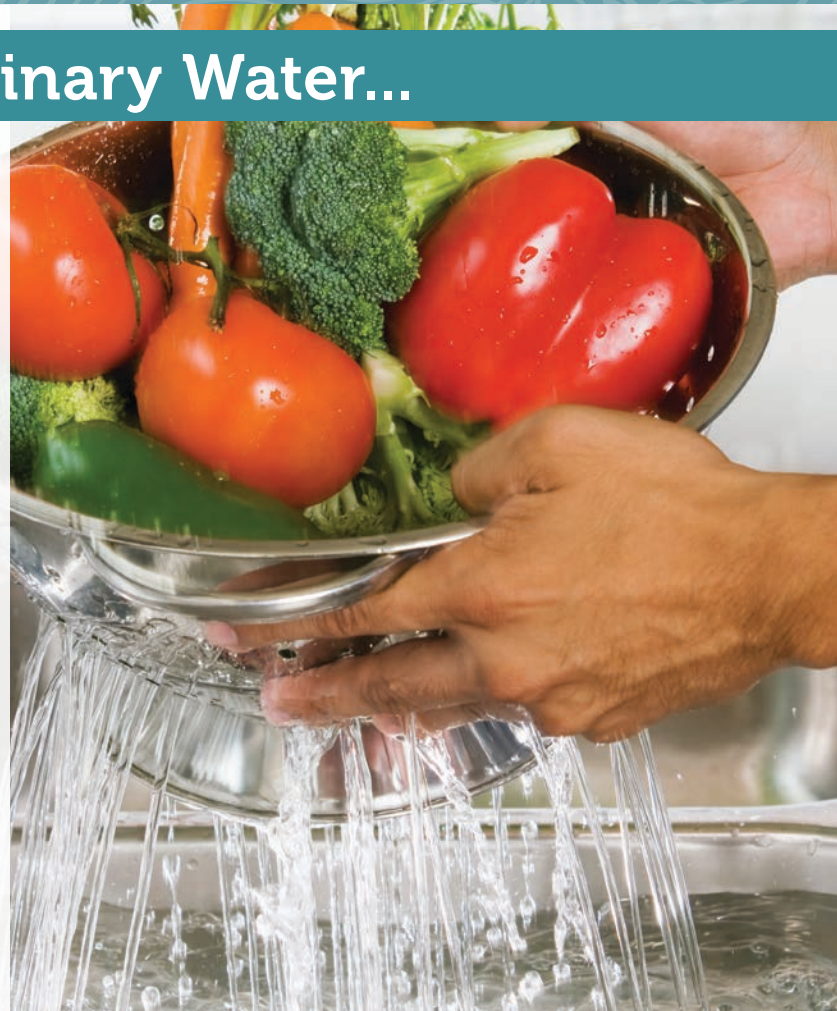
## Extraordinary Water...

### FILTRATION SOLUTIONS

Iron, tastes and odors, hydrogen sulfide (sulfur) and acid water conditions all contribute to water quality problems. Vesta brand filtration solutions are designed to eliminate stains from your sinks and tubs, remove unwanted tastes and odors delivering high quality water. Working with your Vesta professional water treatment dealer, your new Vesta system will fit your exact needs and provide you with years of quality, conditioned water.

### DRINKING WATER SOLUTIONS

Your Vesta water treatment professional offers a complete line of drinking water equipment designed to protect your family from a wide variety of contaminants. Vesta Reverse Osmosis drinking water solutions eliminate the need for bulky water bottles delivering high quality, healthy drinking water to faucets, ice makers and refrigerator dispensers.



### FROM OUR FAMILY TO YOURS...

Each Vesta Water Conditioner is designed and manufactured by Nelsen Corporation. For more than 60 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 the Vesta solutions. 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.

**YOUR AUTHORIZED VESTA DEALER:**

