



# COMMERCIAL

## Vesta® Filtration Solutions

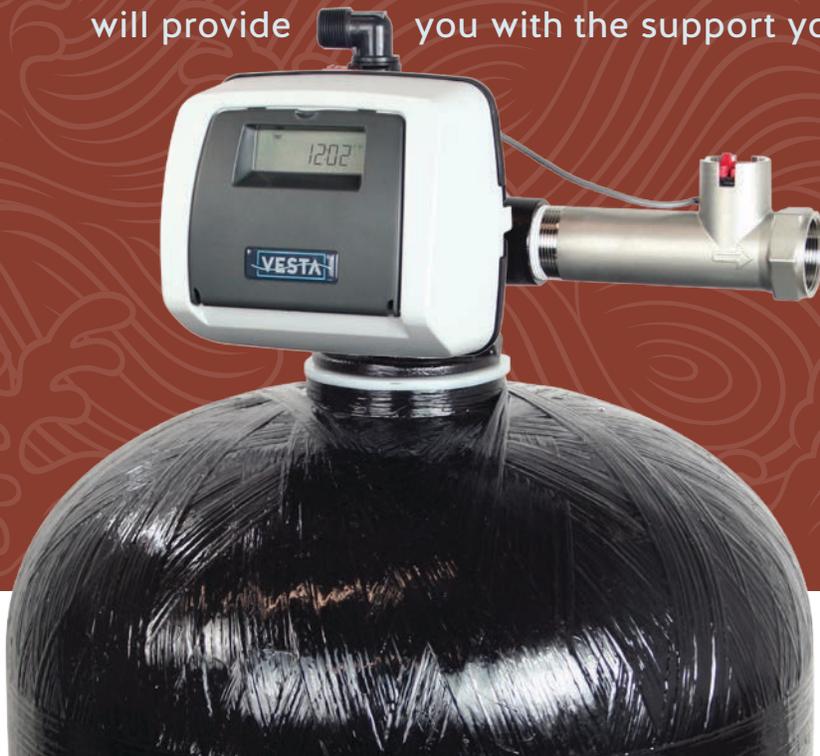
YOUR BUSINESS, YOUR CUSTOMERS & YOUR WATER

Many water supplies, municipal and groundwater, contain iron, rust, suspended particles, dissolved minerals, sediment as well as unpleasant odors. Industries large and small rely on water for processes such as cooling, heating, cleaning or rinsing as well as consumption. Slime and scale form on pipes, boilers, heat exchangers and cooling towers reducing the heat transfer capabilities of a system as well as increasing the cost of operating the system. Vesta Filtration Systems are designed to reduce or eliminate these unwanted contaminants and increase process efficiency, saving money now and in the years ahead.





Vesta Filtration Systems are designed for commercial and industrial applications requiring treated water for turbidity removal, iron removal, or taste and odor control, at flow rates up to 625 gpm. With a wide variety of filter medias available, we can manufacture to unique specifications in single or a variety of multiple tank systems. Using our in-house engineering and CAD capabilities we can develop a design that meets your specific requirements. With our dedication, you can be assured that Vesta will provide you with the support you deserve.



**VESTA 1-1/2" CONTROL**

- + 1-1/2" Top Mount or Side Mount Control Valve for commercial & industrial applications
- + Flow Rates up to 70 GPM per service vessel

## WATER QUALITY MAKES A DIFFERENCE

Vesta Filtration Systems are always custom designed and built for each and every client to provide years of trouble free service, even in the most demanding applications. By sizing and matching the control valve, pressure vessel(s) and media, removal of many unwanted minerals, chemicals, tastes and odors or bacteria can effectively be achieved. These systems can be combined and used as pre-treatment or post-treatment to additional water treatment systems, or can be used as a stand-alone water treatment solution.

**CHEMSORB® FILTERS** - ChemSorb Filter Media (Zeolite) achieves superior filtration and solids loading over conventional sand or multi-media systems. ChemSorb granules surface, micro-projections, together with the high surface area makes this material an ideal, water filtration media. ChemSorb features a higher filtration capacity and higher filtration rating (5 micron nominal) with a reduced backwash frequency, reducing costs and saving labor.

**ACTIVATED CARBON SYSTEMS** are best for removal of chlorine, dissolved organic contaminants, tannins, color, phenols, and unpleasant tastes and odors. The activation process of carbon determines what adsorption and filtering characteristics the carbon will possess, as well as determine what can be filtered out of the water. The availability of numerous varieties of carbons today make activated carbon filters a versatile solution for a wide variety of water problems.

**IRON FILTERS** - Manganese Greensand filters provide an excellent removal of iron and manganese. Manganese greensand is a purple-black filter medium that is used for the removal of soluble iron, manganese and hydrogen sulfide from water supplies. As the water passes through a greensand filter, any iron and manganese present is oxidized and trapped by the media. Backwashing and rinsing of the media removes the contaminants.

## CONTROL VALVE KEY FEATURES

- + Top or side mount control valve suited for commercial/industrial applications
- + Epoxy coated lead free brass construction - Certified to NSF/ANSI 61 AND 372
- + Service flows up to 125 gpm with backwash rates to 85 gpm (single tank systems, higher flows with multi tank systems)
- + Solid state microprocessor with easy access front panel settings
- + Front panel display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (Totalizer)
- + Methods to initiate regeneration; meter immediate, meter delayed, time clock delayed
- + Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency
- + Fully adjustable cycle times with 6-cycle control delivers controlled backwash, down-flow brining/ slow rinse, second backwash, fast rinse, refill and down-flow service
- + Coin Cell Lithium battery back-up with an 8 hour carry over
- + 12-volt AC Adapter, safe & easy installation

### VESTA 2" CONTROL

- + 2" Top Mount or Side Mount Control Valve
- + Flow Rates up to 125 gpm per service vessel





# 3" & Larger Solutions

WATER SOLUTIONS  
COMMERCIAL

## VESTA LARGE COMMERCIAL

Each Vesta Commercial system is designed specifically for each application. The Vesta 3" control valve provides flow rates up to 250 GPM for a single tank application.

Does your application require more than 250 GPM? We can manufacture to unique specifications, single or a variety of multiple tank systems, or use our in-house engineering and CAD capabilities to develop a design that meets your specific requirements. We custom tailor your system to provide you with the convenience you want while giving you the performance and durability you need for all of your individual application requirements.

A popular option is the skid mounted, pre-piped, pre-wired, and sometimes pre-loaded (depending on system size). Skid mounted systems provide a quick and easy and in most cases less expensive solution than the traditional installation. Skidded systems can also provide a package with service/backwash pumps, Reverse Osmosis, Ultraviolet Sterilization and more.

A variety of configurations are available, ASME code tanks in composite or steel can be specified when required, and can be custom designed to meet your specific application requirements.

Systems can be spec'd with top or side mount control valves or where larger flows are required a variety of other style valves are available including diaphragm, butterfly and ball.

Systems can be skid mounted with interconnecting piping with tank isolating valves and bypass to reduce installation times.

Each system is fully customized to your specs, ask your Vesta Professional Dealer what they can do for you.



YOUR AUTHORIZED VESTA DEALER:

