

# OneStop Plus™

## Anti Scale System

# FSA

**FILTER SYSTEMS AUSTRALIA**

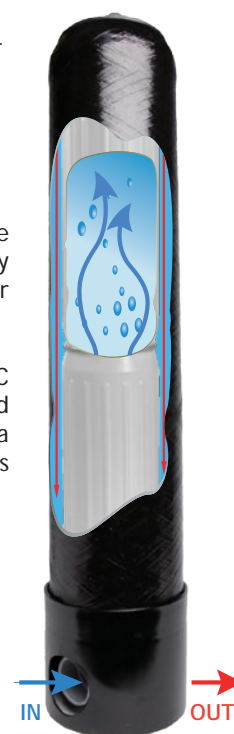


## FEATURES

- Prevent scaling without using chemicals
- Cost effective and eco-friendly
- Also reduces heavy metals such as copper, lead, mercury, zinc and cadmium
- No maintenance, free of salt or other chemicals; no more heavy products to carry around
- No regeneration or back wash needed
- Increases the efficiency of boilers and all other equipment in contact with the treated water
- Easy to be installed, no electricity and no backwash pipes needed
- Compatible with all the other water treatment devices already installed
- Solves the typical problems of standard softeners

The OneStop Plus™ system is designed to protect open circuit pipes from scaling. Additionally, it reduces the amounts of heavy metals such as copper, lead, mercury, zinc and cadmium. It can be installed as Point Of Entry device, for both cold and hot water, or directly before the apparatus that needs to receive treated water (sauna, dishwashers, washing machine etc.).

OneStop Plus™ avoids scale by interacting with the scale molecules, turning them into harmless crystal (TAC system). These crystals are now suspended in the water but do not attach to surfaces and are simply washed away. In this way the scaling on the surfaces and in the pipes is dramatically reduced. OneStop™ is NOT a softener, it is a water conditioner. The water treated by OneStop Plus™ keeps the original healthful minerals while solving the scaling problems.



## SPECIFICATIONS

The OneStop Plus™ system is a finished product, ready to be installed and used. All that is needed for installation is to connect the IN and OUT pipes. The installer has to carefully check pressure, temperature and perform a chemical analysis of the water, in order to assure the full compatibility of the installation with the limitations of use, as declared below.

Water Chemistry Limits	
pH	6.5 ~ 8.5
Maximum hardness	1300 ppm
Temperature	5°C ~ 60°C
Chlorine	<3 ppm
Iron	<0.3 mg/l
Manganese	<0.05 mg/l
Oil and polyphosphates	Treat before OneStop™
Hydrogen Sulfide	Treat before OneStop™

## ONESTOP PLUS RANGE

Part Number		Flow For Max. Efficiency (l/min)	Cartridge Change (months)
BSP	NPT		
OSP-10SB		3	12
OSP-10JB		8	12
OSP-20JB		15	12
One Cartridge		37	24
ST 735		30	24
ST 835		37	24
ST 935		45	24
ST 1054		75	24
ST 1252		114	24
ST 1465		190	24
ST 1665		284	24



OSP Series



OneCartridge Series



ST Series

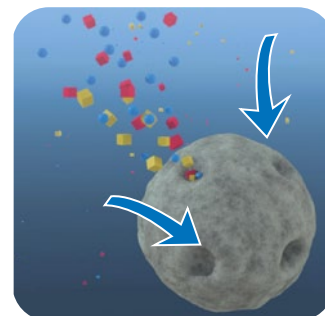
## APPLICATIONS

**Residential:** Heating systems, Washing machines, Laundries, Baths, Showers

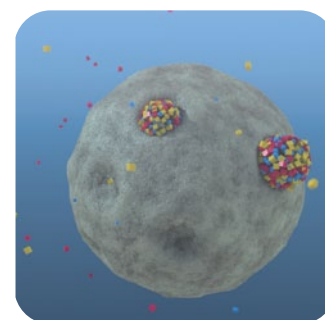
**Food and Beverage:** Hot drinks machines, Steam water heaters, Boilers, Steam systems, Espresso coffee machines, Perfect with liquid circuit, Cooling systems

**Business / Industrial:** Car wash, Hotel, Cooling systems and evaporation systems, Boilers

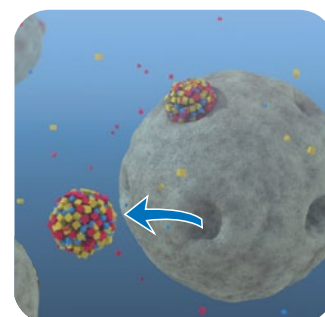
## WORKING PRINCIPLE



The OneStop Plus™ media attracts dissolved calcium carbonate ( $\text{CaCO}_3$ ) scale molecules into "Templates" on the media.



The calcium carbonate ( $\text{CaCO}_3$ ) scale molecules grow into microscopic crystals.



The crystals detach when they are too large to be held by the OneStop Plus™ media. These harmless crystals effectively isolate the calcium carbonate ( $\text{CaCO}_3$ ) scale molecules from the water and anything the water comes in contact with.

# ONE™ SERIES

## Cartridge Tank

### Introducing our Revolutionary New GWS ONE™ Cartridge Tank Filtration System.



Say goodbye to small and inefficient housings. Get rid of expensive stainless steel housings. The GWS ONE™ Cartridge Tank offers extended life and service, and a more cost-effective and efficient filtration solution.

Utilizing a patented industry-exclusive liner design, no tools necessary snap-ring design, full radial seal top and bottom caps make replacement simple. The GWS ONE™ Cartridge Tank makes it easy to access and remove the internal filtration solution.

Lightweight and cost-effective with multiple configuration options, from high flow commercial / industrial applications to stand-alone residential Point-of-Entry (POE) installations for city and well water applications, this is the filtration solution of the future... 100% non-metallic! The One Cartridge Tank™ is a high performance filtration device and has been rated at 125 psi (8.6 bar) operating pressure with a 4:1 Burst Safety Factor.

Available in 5 colors:



## APPLICATIONS

- Ideal for Residential, Food Service, Rental Fleets, Commercial and Industrial Applications
- Make-up Water, RO Pre-filtration, Cooling Towers, Chill Water Loops, Metal Finishing
- Process Water (Turbidity, Particulate, Colloidal Suspensions)
- Reduction of Unwanted Bad taste and Odor from Potable Drinking Water
- Reduction in Frequency of Replacing Common 2 ½" or 4 ½" Housings ... Bigger is Better

## Benefits

Lightweight and cost-effective housing with high chemical compatibility.

Simple and easy change-out of cartridges.

No Tools, Means NO TOOLS!

Match the filtration solution with flow rate requirements

Extended service life, contaminant removal, and dirt holding capacity

Low pressure drop = high flow

## Features

100% non-metallic!

Patented no-tools necessary snap-ring design

Multiple filtration solutions

Full 1 1/4" and 2" plumbing connection options

Large capacity filter configurations

## Easy Replacement

No tools needed



Press the red pressure relieve valve



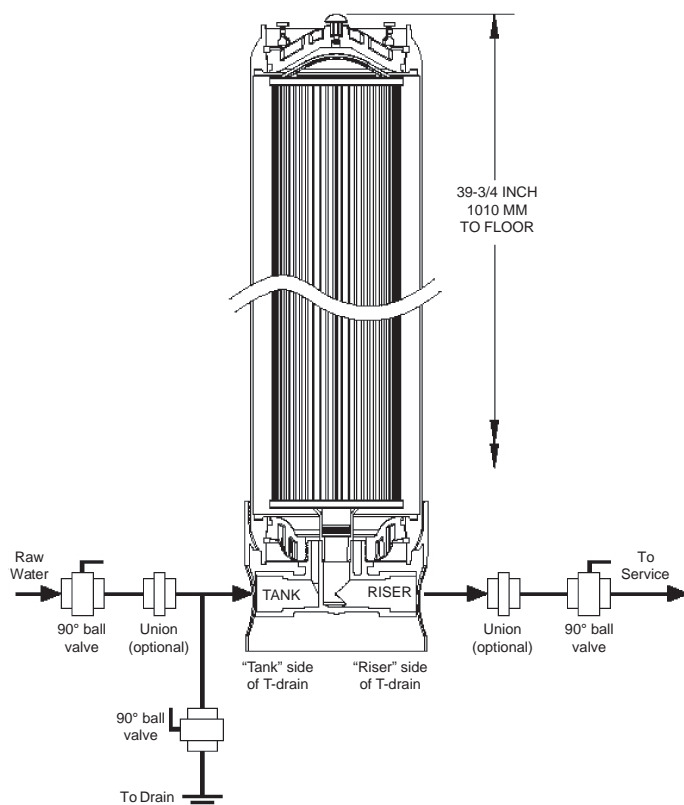
Pull the snap-ring



Take the snap ring off



Lift top cap



### Blue Filtration Series

*Carbon Block Filter*

### Yellow Filtration Series

*String Wound Filter with Melt Blown core*

### Purple Filtration Series

*Melt Blown PP Depth Filter*

### Red Filtration Series

*Pleated Filter  
PAC Filter*

### Orange Filtration Series

*Double Pleated Gradient Filter*

### Green Filtration Series

*Double Pleated  
Filter with Nano Al™*

### White Filtration Series

*Refillable Granular Media Bottle*



## White Filtration Series



The White Filtration Series is a unique and high capacity granular media bottle that allows incorporation of multiple media options and solutions to be used with the series. This filter series is a 0.5 ft<sup>3</sup> empty bottle for filling of granular filtration media. This GWS ONE™ Cartridge Tank filter series is ideal for a wide range of residential, food service, commercial, and industrial applications, and can be used for multiple applications from service DI, POE for city or well-water installations, rental programs, exchange systems, high-purity pre- or post-filtration applications, etc... The options, configurations, and solutions are endless.

The design also incorporates the patented Vortech™ full distributor plate technology, providing uniform distribution and utilization of the media bed along with maximum efficiencies and service flow rates, giving system design maximum flexibility whether installed in up-flow or down-flow service. A removable top cap has a locking feature that can be used for limiting access to the internal media by the end-user, and special rings on the bottom of the bottle allow for ease of hanging of the cartridge for easy change-out of media in applications like service DI exchange.

The White Series is also available in a Mid-Vortech™ configuration that splits the cartridge chambers equally, to 0.25 ft<sup>3</sup> per chamber, for separation and use of different media, thereby increasing the efficiency and usage of the media bed. Each filter comes with a unique handle-designed top cap for lightweight and easy removal, and a double o-ring bottom connection that inserts into the ONE™ Cartridge Tank plumbing adapter.



### Features

- 0.5 ft<sup>3</sup> empty media bottle
- Polyethylene construction
- Vortech™ distributor plate
- Locking or removable top cap
- Rings on bottom of bottle
- Double Buna-N o-ring seals
- Mid-Vortech™ distributor plate option

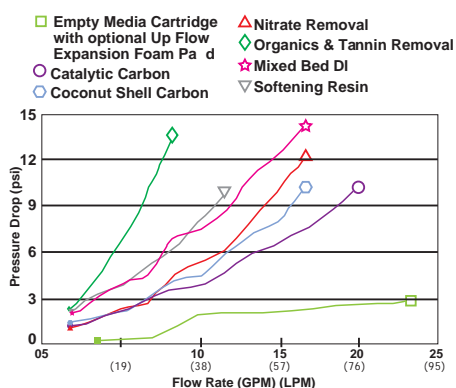
### Applications

Residential, food/beverage service, rental fleets, service DI exchange, plating solutions, commercial and industrial applications, metal finishing, oxidizing agents, corrosive fluids, electronics, pre-RO, process water, waste water, cooling towers, make-up water, polishing filters, reducing unwanted bad taste and odor, including chlorine and chloramine

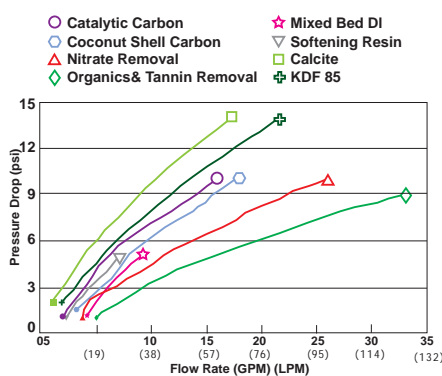
### Benefits

- Extended service life and high capacity contaminant removal
- High chemical resistance
- Low pressure drop, high flow
- Separation of multi-media configurations
- Up-flow or down-flow service and full utilization of the media bed
- Ensures no bypass of contaminants and high chemical compatibility

### Up Flow



### Down Flow



### Configurations

CT-MEDIA-05: Full 0.5 ft<sup>3</sup> configuration, able to be filled with any media for up-flow or down-flow service due to use of Vortech™ technology.

CT-MEDIA05-MID: Full 0.5 ft<sup>3</sup> configuration with Mid-Vortech™ separation plate, able to be filled with any two types of media for up-flow or down-flow service, due to use of Vortech™ technology.