

# WATER CONDITIONER

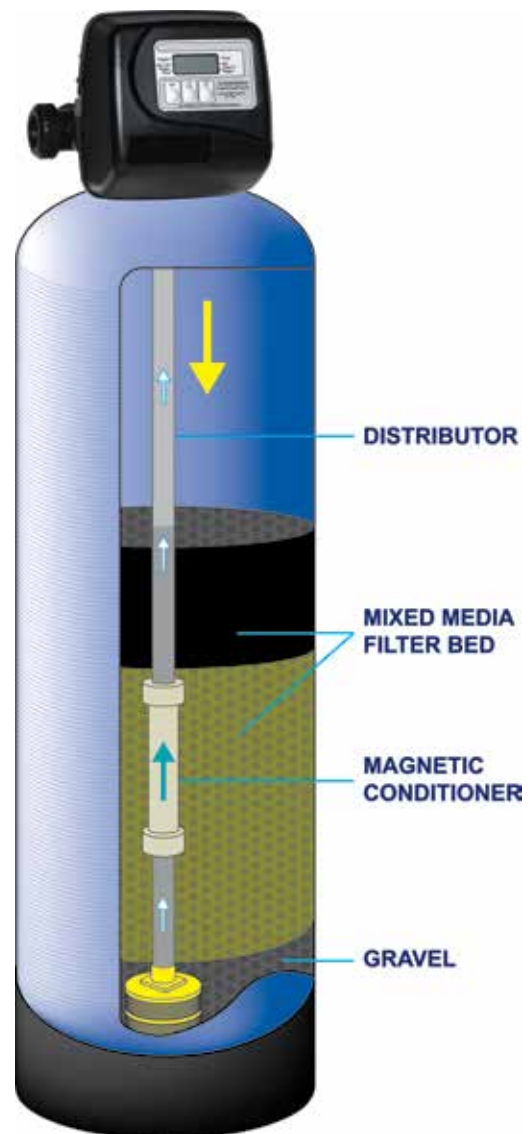
RESIDENTIAL FILTER THAT ALSO CONDITIONS

## **SIMULTANEOUSLY PURIFY, IMPROVE AESTHETICS, AND REDUCE SCALE**

Water “conditioning” is different from water “softening”. Softening is a chemical process of adding Sodium Chloride to water in exchange for the removal “hard” minerals like Calcium, Magnesium, and Silica. “Conditioning” is a physical process in which hard water minerals remain, but their composition is manipulated to reduce scale buildup. This chemical-free water treatment process allows for the safe human consumption of these beneficial minerals, while preventing the buildup of hard calcite scale from forming on pipes and appliances. The result is healthier water and greater efficiency from faucets, water heaters, dishwashers, ice makers, and humidifiers.

The Water Conditioner also reduces water surface tension meaning less spotting on dishes, silverware, and shower tiles and glass. Conditioned water is excellent for outdoor applications like cleaning siding, windows and automobiles, and irrigation.

The application of a Magnetic Conditioner in the distributor of a media type filter (shown to the right) not only treats the domestic water supply for scale control, but also provides a much more throughput and effective backwashing of filter media. Conditioned water is compatible with GreenSand, Birm, GAC, KDF, and even ion-exchange resins and will provide much better results than just filtering or softening alone. When backwashing a softener with conditioned water, the resin bed will remain loose and not pack over many years of use, which will obviously extend product life, increase efficiency, reduce salt consumption and conserve water.



# WATER CONDITIONER

## THESE PREMIUM WATER FILTRATION AND CONDITIONING SYSTEMS PROVIDE THE FOLLOWING

- Cleaner, safer, better tasting water throughout the home
- Spotless dishes, glassware, tile & faucets
- Reduced staining on kitchen and bathroom sinks and tubs
- Reduce wear and tear and maintenance requirements on water appliances
- Better tasting water for drinking, cooking and ice cubes
- Several media types available to meet treatment goals

## CLACK CONTROL VALVE SPECIFICATIONS

- Solid state microprocessor with easy access front panel settings
- Front panel display for time of day, days until net backwash, volume remaining, current flow rate and total volume used (totalizer) and Tank In Service indication
- Four methods to initiate backwash; meter immediate, meter delayed, time clock delayed or pressure differential
- Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency
- Adjustable cycle times for optimum backwash control
- Coin Cell Lithium battery back-up with 8 hour carry over
- 12-volt output AC adapter provides safe and easy installation
- Reliable and proven DC motor, seal spacer stack and piston

## SYSTEM SPECIFICATIONS

FLOW GPM	MEDIA CF	VALVE SIZE	TANK SIZE	WIDTH	HEIGHT
8	1.5	1"	10x54	10"	62"
11	2	1"	12x52	12"	61"
13	2.5	1"	13x54	13"	62"
16	3	1"	14x65	14"	74"

## MEDIA PROFILE

- (A) Granular Activated Carbon (GAC) Premium grade, acid washed, coconut shell based with size range 8 to 30 mesh with small pores and high capacity for small organic molecules with pore structure carefully controlled to facilitate adsorption and is extremely effective for removal of chlorine and other contaminants.
- (B) Centaur® is a highly activated, catalytic, bituminous coal based carbon that is extremely effective for removal of chloramines, hydrogen sulfide and other contaminants.
- (C) FilterAgPlus® is a highly efficient clinoptilolite media providing for the advanced reduction and filtration of suspended matter and turbidity reduction and is rated for high service flows and lower backwash flows.
- (D) Garnet filter media is a high density granular almandite material used as the lower final filtration layer and support bed.
- (E) Multi-field magnetic water conditioner that magnetically alters the natural characteristics of hard water minerals, making it difficult for them to bond together and form a hard brittle scale thus reducing the scale build up potential and has no environmental impact because it requires no energy or chemicals.

## APPLICATION NOTES

- Do not use for treatment of water that contains bacteria or for water with unknown quality. A basic water quality test/analysis should be performed by your water treatment professional.
- These filtration/conditioning systems are intended for treatment of cold/ambient water temperature only for city water supplies.
- The magnetically conditioned water will maintain its reduced scaling potential effect for about 36 hours. On cold water.
- These filtration/conditioning systems do not provide disinfection which will have to be treated by an additional process were necessary.

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and 20K sq. ft. facility*

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