



# Sanitizer® Series SE1 & SE2 Conditioners

## The Self-Chlorinating Multi-Purpose Water Conditioner

### Protect your water system

Minerals and bacteria can enter your household water through a ground aquifer or the well. Many of these contaminants can end up trapped in your home's water softener system and, in most cases, cannot be completely removed through normal system regeneration.

Now you can enjoy clean, softened water throughout your house thanks to an advanced line of self-sanitizing water treatment systems – the *Sanitizer Series*®.

The *Sanitizer Series* systems are ideal for all households using well water. It is the only water conditioner of its kind that provides comprehensive softening, plus iron and manganese removal, all in a single process. At the same time, the entire system disinfects itself automatically with every regeneration.

### The secret to these systems lies in two specially engineered technologies.

1. The Sanitizer Series new chlorine generator is a patented device that uses the existing brine solution to generate controlled amounts of chlorine to safely sanitize the media bed. There are no special chemicals to add, no special salts to use, no additional equipment to purchase. The sanitizing action takes place automatically every time the system regenerates.
2. The Sanitizer Series uses Crystal-Right™ media (CR100/CR200), a unique, manufactured silica crystal media that can soften the water, remove high amounts of iron and manganese, and even reduce ammonia through a simple regeneration with salt. Crystal-Right is also the only softening media in use today that will not be damaged by chlorine.

### The Sanitizer Series is the only multi-purpose water treatment system that effectively removes hardness, iron and manganese; raises pH; and disinfects itself automatically during regeneration.

- SE1 - 4-in-1 system removes hardness, iron, manganese and raises your water pH, all in a single pass.
- SE2 - 4-in-1 system removes hardness, iron and manganese, and reduces ammonia, all in a single pass.
- No other equipment add-ons required. This single system design maximizes water pressure throughout your home.
- Cleans and sanitizes itself automatically using the Sanitizer chlorine generator: No chemicals, additives or special handling required.
- Odours and problems caused by iron and sulphur bacteria in the media tank are eliminated.
- Advanced, solid-state "system analyzer" (patent pending) monitors and communicates operating modes, even alerts you to low salt conditions.

### Sanitizer Series softeners give you the industry's most advanced control and operating features:

- Safe, low-voltage operation.
- Full 1" porting throughout the system - means the highest service flows with the least amount of pressure drop.
- Proprietary fully electronic metered valve with "system day override".
- All regeneration cycles are custom programmed for your specific water problems.
- User friendly design makes the Sanitizer Series systems easy to operate and maintain.
- Also available - units with KDF 85 media for Hydrogen Sulphide reduction (up to 0.5 ppm, order -HS).



## EFFECTIVELY USED TO:

- Remove hardness
- Remove iron
- Reduce turbidity
- Remove manganese
- Reduce sulphur
- Reduce unpleasant tastes and odours

SE1 MODELS	AWP1054SE1/ *AWP1054SE1-HS	AWP1354SE1/ *AWP1354SE1-HS	AWP1465SE1/ *AWP1465SE1-HS
CAPACITY: (Grains/lbs. Salt)			
Maximum	22600 @ 16.0	36900 @ 21.0	52000 @ 30.0
Medium	20700 @ 12.0	33600 @ 16.0	47000 @ 22.0
Minimum	16400 @ 6.0	28300 @ 9.0	40000 @ 13.0
Efficiency (gr./lb) @ Lowest Setting	2700	3100	3100
Amount of Media	1.5 ft <sup>3</sup>	2.5 ft <sup>3</sup>	3.0 ft <sup>3</sup>
Maximum Water Hardness	30 gpg	40 gpg	50 gpg
Maximum Iron	10 ppm	15 ppm	15 ppm
Minimum pH Required	6.0	6.0	6.0
Peak Flow Rate @ 15 psid	14.0 gpm	19.0 gpm	19.0 gpm
Continuous Flow Rate @ 5 psid	6.0 gpm	9.0 gpm	9.0 gpm
Backwash Flow	4.2/5.3* gpm	7.5/9.0* gpm	9.0/10.0* gpm
Water Pressure Range	25-100 psi	25-100 psi	25-100 psi
Water Temperature	1-38°C (33-100°F)	1-38°C (33-100°F)	1-38°C (33-100°F)
Electrical Requirements	110 V/50-60 Hz	110 V/50-60 Hz	110 V/50-60 Hz
Connections	3/4" brass	3/4" brass	1" brass
Media Tank (w x h)	25 cm x 137 cm (10" x 54")	33 cm x 137 cm (13" x 54")	36 cm x 165 cm (14" x 65")
Brine Tank (w x h)	45.7 cm x 91.4 cm (18" x 36")	45.7 cm x 102 cm (18" x 40")	45.7 cm x 102 cm (18" x 40")
Shipping Weight	63 kg (140 lbs)	100 kg (220 lbs)	116.3 kg (256 lbs)

SE2 MODELS	AWP1054SE2/ *AWP1054SE2-HS	AWP1354SE2/ *AWP1354SE2-HS	AWP1465SE2/ *AWP1465SE2-HS
CAPACITY: (Grains/lbs. Salt)			
Maximum	34800 @ 16.0	60300 @ 26.0	84000 @ 37.0
Medium	32000 @ 12.0	48300 @ 16.0	68000 @ 22.0
Minimum	22900 @ 6.0	28200 @ 9.0	40000 @ 13.0
Efficiency (gr./lb) @ Lowest Setting	3800	3000	3100
Amount of Media	1.5 ft <sup>3</sup>	2.5 ft <sup>3</sup>	3.0 ft <sup>3</sup>
Maximum Water Hardness	60 gpg	80 gpg	80 gpg
Maximum Iron	10 ppm	15 ppm	15 ppm
Minimum pH Required	7.0	7.0	7.0
Peak Flow Rate @ 15 psid	14.0 gpm	17.0 gpm	19.0 gpm
Continuous Flow Rate @ 5 psid	8.0 gpm	9.0 gpm	9.0 gpm
Backwash Flow	4.2/5.3* gpm	5.3/6.5* gpm	7.5/9.0* gpm
Water Pressure Range	25-100 psi	25-100 psi	25-100 psi
Water Temperature	1-38°C (33-100°F)	1-38°C (33-100°F)	1-38°C (33-100°F)
Electrical Requirements	110 V/50-60 Hz	110 V/50-60 Hz	110 V/50-60 Hz
Connections	3/4" brass	3/4" brass	1" brass
Media Tank (w x h)	25 cm x 137 cm (10" x 54")	33 cm x 137 cm (13" x 54")	36 cm x 165 cm (14" x 65")
Brine Tank (w x h)	45.7 cm x 91.4 cm (18" x 36")	45.7 cm x 102 cm (18" x 40")	45.7 cm x 102 cm (18" x 40")
Shipping Weight	63 kg (140 lbs)	100 kg (220 lbs)	109 kg (284 lbs)

\*SULPHUR REDUCTION – For applications requiring the additional removal of Hydrogen Sulphide up to 0.5 ppm (sulphur or "rotten egg" smell), special systems are available which include KDF media between the gravel underbed and the Crystal-Right® media.

1All VIQUA Water Conditioners are pre-factory set at medium salting. Note: influent waters must be at least 3gpg and have a TDS of 80ppm. A calcite or corxex unit may be needed for correct operation.

2Iron removal may vary depending on form of iron, pH and other local conditions. On waters that are pre-chlorinated or where other pre-oxidation occurs, an iron precipitate can form that is too small to be filtered.

3The pH listed is the minimum for the influent water.

4Unit not tested for capacity at these flow rates. Water quality may vary.