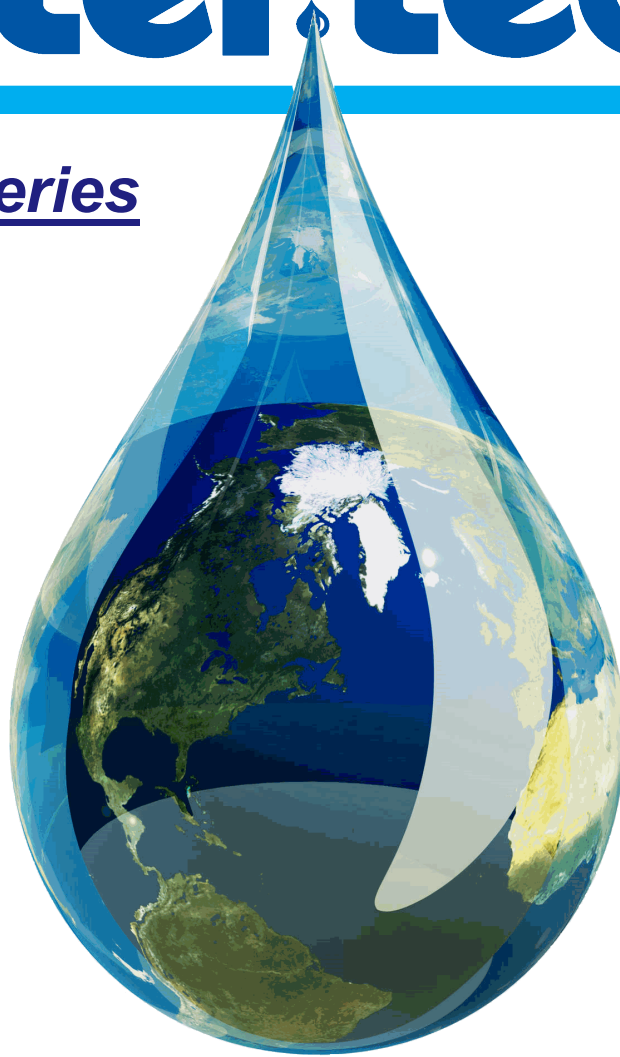


water tec

Signature Series



Ultra-High Efficiency

Water Softener

water-tec.com



Ultra-High Efficiency

The **Water Tec Signature Series Ultra-High Efficiency** water conditioners are built with water and salt conservation in mind. These systems offer high capacity at lower salt usage and water waste compared to standard systems. What makes these systems so efficient?

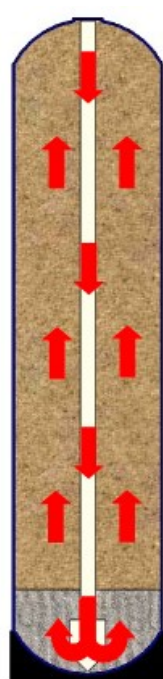
We have calculated the minimum amount of salt that is needed, eliminated or lowered the backwash and utilize a **packed bed** mineral tank and **upflow brining** to maximize the capacity. This means your **Water Tec U.H.E.** softener will give you the luxury of softened water and be environmentally friendly all at the same time, up to 50% less salt and 70% less water used!



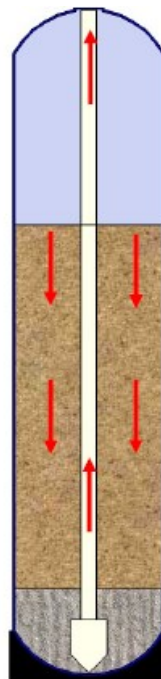
The **Clack Water Specialist MD Control** features a solid state microprocessor with easy access settings. The control valve design provides optimum service and backwash rates along with soft water brine tank refill and a double backwash feature. It also offers a pre-brine refill feature, **proportional brining** and has a tri color display that will alert you to an issue with the unit and post reminders about scheduled maintenance. Designed for use with water softening system and/or water filtration system. Valve body and meter module are molded from glass reinforced Nylon.

Model		WS125 1044 UHE	WS125 1054 UHE	WS125 1235 UHE	WS125 1235-CB UHE	WS125 1040/19 UHE
Ultra High Efficiency Settings						
Pounds Salt Used per Regeneration		6	7	8	8	5
Water Used Per Regeneration		21	24	30	30	41**
High Efficiency Settings						
#s Salt Used per Regeneration		9	10.5	12	12	7.5
Water Used Per Regeneration		30	34	46	46	48**
Resin Quantity		1.5	1.75	2	2	1.25
Tank Size		10X44	10X54	12X35	12X35	10X40 / 10X19
Brine Tank Size		14X34	14X34	14X34	45X14X21	14X34
Salt Storage Capacity		225	225	225	200	225
Flow Rate @ 15psi Drop		19	19	23	23	15
Flow Rate @ 25psi Drop		28	28	31	31	25
Back Wash Flow Rate		2.7	2.7	4.2	4.2	2.7
Regeneration Type		Counter Current / Upflow Brining				
Grains Capacity 6# Salt Setting		25000	35000	40000	40000	25000
Plumbing Connections		1" (3/4" , 1.25/ 1.5" optional)				
Resin Type		8% High capacity Ion Exchange Resin				
Electrical Requirements		Input 120V 60Hz -12Vdc 500mA				
Water Temperature		Min 38- Max 90 degrees Fahrenheit				
Water Pressure		Min 20 - Max 125 psi				
**Model ws125-1040/19 is our UHE Eliminator and has two 4 min. backwash cycles to reclassify the carbon.						
***All UHE units MUST have supplied pre-filter installed for maximum efficiency.						

Packed bed: The mineral tank in traditional water softeners is only 1/2—2/3 full, packed bed means the mineral tank is packed with resin giving our low salt using systems higher capacity and more efficient brining.



Packed bed
UP Flow



Traditional
Down Flow

Upflow brining: Traditional water softeners use down flow brining which flows the brine from the top to the bottom require more salt to be used because you are pushing the water hardness through resin that is not exhausted, upflow brining passes the brine from the bottom to the top of the bed and does not affect the unused resin.

Proportional brining: The MD Control valve calculates the amount of salt required and only cleans the resin that is exhausted so it only uses salt for what resin actually needs cleaning. Traditional softeners all ways use a full brine fill wasting salt and water.



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Water Tec Signature Series Products are only available through Factory Authorized Professional Water Treatment Dealers.



Your Authorized Dealer:



Providing service after the sale since 1967.

