



C-SERIES

Residential/Light Commercial Softeners

You and your family deserve the finest quality water available. Quality you can feel each time you shower or feel the soft towel when drying after that shower by having soft water. Each Nelsen Water Solutions (NWS) Water Conditioner is designed to address the specific water quality issues unique to your home, providing your family with outstanding water. Your investment will reward you with quality water at every faucet in your home.

NELSEN™
WATER SOLUTIONS
Since 1954

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Residential Softeners



Benefits of a **Nelsen Water Solutions** System



IN THE BATHROOM

Your soap and shampoo will lather better. Your hair and skin will feel noticeably cleaner, softer, and not as dry. Additionally, soap scum or mineral deposits will be significantly reduced from sinks, showers, tubs, and toilets.



IN THE KITCHEN

Dishes will clean up more efficiently and be spot-free, without the gray film glass gets when etched by Mineral-laden water.



IN THE LAUNDRY

Clothes will be softer, cleaner, and brighter. Using soft water and pure soap products increases the life of clothing, towels, and linens. Without hard water service issues, washing machines will last longer, too.



PLUMBING AND APPLIANCES

Appliances that use water will last longer and run better. Why? Because water heaters, washing machines, and dishwashers using hard water can wear out 30% faster.

Nelsen Corporation is the largest family-owned manufacturer/ distributor of water treatment products in the United States. Headquartered in Akron, Ohio with additional distribution centers in Arizona, Texas and Florida, our company has seen substantial growth over the years. Since 1954 Nelsen Corporation has remained committed to the professional water treatment dealer, their customers and the communities that they serve. More than 65 years of experience in water treatment have been incorporated into our systems yielding the very best equipment for your family or your business.

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COMMON WATER ISSUES

Municipal, rural or private well water supplies can contain hardness minerals (calcium and magnesium), iron, rust, sediment, and various other contaminants. These minerals form a scale and create problems in water heaters, washing machines, dishwashers, coffee makers, humidifiers, and plumbing systems. Nelsen water conditioners and drinking water systems are designed to reduce these unwanted contaminants providing your family with a refreshing difference and saving you money now and in the future.

NELSEN WATER SOLUTIONS (NWS) RESIDENTIAL SOFTENER SOLUTIONS

The C-Series control valve has been engineered to provide years of trouble-free service. The key to the exceptional quality of the C-Series control valve is in the state-of-art design. The C-Series valve is one of the most advanced controls available in various configurations, including a solar-powered control.

Where space is a concern, C-Series Cabinet systems fit right in. It combines the entire system, softening tank, and salt storage into one compact unit. It can even be placed in a closet, convenient for loading salt but out of sight. Don't let the compact design of the C-Series Cabinet fool you. It will provide you with soft, iron-free water for years to come.



C-Series Electronic Time Clock Control Valve



C-Series Electronic Metered or Time Clock Control Valve



C-Series Electronic Metered or Time Clock Control Valve w/Advanced Program Capabilities



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C-Series Residential Softener System Specifications				
Grains Capacity	32,000	48,000	64,000	80,000
Grains Capacity[1]/Capacity[2]	30K/24K	45K/36K	60K/48K	75K/60K
Cubic Feet Material per Tank	1.0	1.5	2.0	2.5
Pounds Material per Tank	50	75	100	125
Service Flow Rate, GPM*	9	12	13	15
Approximate Dimensions (inches)	33W x 57H x 19D	34W x 63H x 19D	36W x 57H x 19D	37W x 63H x 19D
Approximate Weight	98#	124#	152#	219#
Mineral Tank Size	9" x 48"	10" x 54"	12" x 48"	13" x 54"
Backwash Flow[3]	2.0	2.4	3.5	4.0

(1) At 15 pounds per cubic foot = 30,000 Gr. C.F. (2) At 9 pounds per cubic foot = 24,000 Gr. C.F. (3) Backwash flow with standard basket distributor
*Note - due to varying water conditions, water pressures and assembly materials the service flow rate should be used only as a guideline.
The standard resin is certified, however system media may vary based on water analysis to optimally treat specific water problems.

Professional Series Control Valve

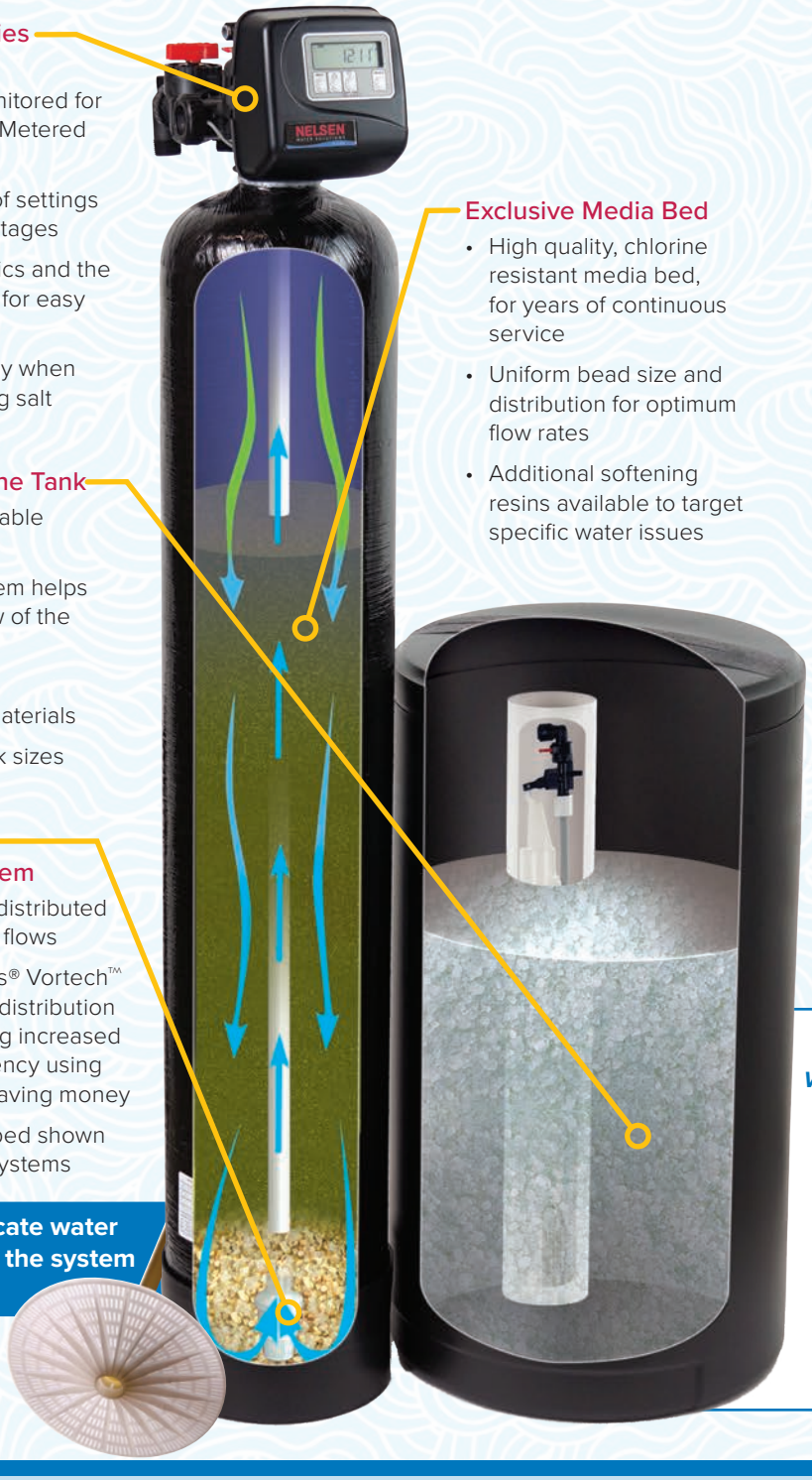
- Water use is monitored for peak efficiency (Metered Controls)
- Built-in backup of settings during power outages
- Simple diagnostics and the design provides for easy maintenance
- Regenerates only when necessary saving salt and water

High-Quality Brine Tank

- High quality, durable construction
- Safety float system helps prevent overflow of the brine tank
- Constructed of corrosion-free materials
- Larger brine tank sizes available

Basket Style Distribution System

- Delivers evenly distributed and high-quality flows
- Optional Enpress® Vortech™ Plate Tank style distribution system, providing increased backwash efficiency using less water and saving money
- Gravel support bed shown used on larger systems



Arrows indicate water flow through the system as it softens.

Exclusive Media Bed

- High quality, chlorine resistant media bed, for years of continuous service
- Uniform bead size and distribution for optimum flow rates
- Additional softening resins available to target specific water issues

SYSTEM FEATURES

- All C-Series controls feature solid state microprocessors with easy access front panel settings
- Three modes of operation meter immediate, meter delayed, or time clock delayed
- Treated water brine tank refill
- Double backwash feature, offers optimum regeneration, cleaning ability, and efficiency
- Days override feature 1 - 28 day's available
- Softener systems up to 21" diameter tanks
- Downflow/upflow regeneration
- Stores system configuration and operation data in non volatile memory
- Capacitor back-up with two-hour power carry over
- 15 volt transformer provides safe and easy installation
- Control valve design provides optimum service and backwash rates

Time to get the finest quality water for your home. Call today!

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