



9100 SERIES

RESIDENTIAL/LT COMMERCIAL TWIN SOFTENERS

Many water supplies contain hardness minerals (calcium and magnesium), iron, rust, and sediment. 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, saving you money now and in the years to come.

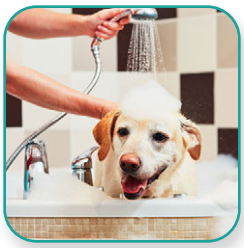
NELSEN™
WATER SOLUTIONS
Since 1954

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RESIDENTIAL **TWIN** 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 greatly reduced from sinks, showers, tubs and toilets.



IN THE KITCHEN

Dishes will clean up more easily, 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 Ohio with additional distribution centers in Arizona, Texas, Florida, and Wisconsin, 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 70 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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NELSEN RESIDENTIAL TWIN WATER SOFTENERS

Each Nelsen Water Solutions water softener is designed to specifically address the water quality issues that are unique to your home, providing your family with outstanding water. The very best components, features and state-of-the-art design go into every system providing you with years of high quality, conditioned water.

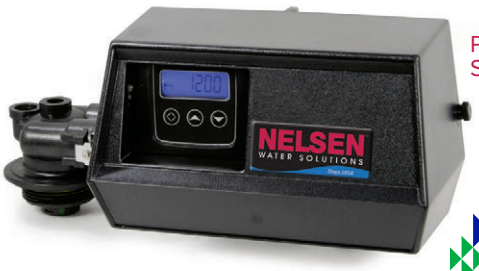
With a twin-tank system, families benefit from soft water 24 hours a day, 7 days a week. The second tank of soft water acts as a backup, ready to immediately provide soft water once 100% of the first tank is used. While the second tank is in service, the first tank regenerates giving you and your family all the advantages of continuous soft water.

PENTAIR FLECK TWIN CONTROL VALVES

The control valve offers a continuous service flow rate of up to 21 Gallons Per Minute, plenty of water for even the most demanding families! The backwash capability accommodates softener tanks up to 16" with 8.5 GPM backwash.

THE PENTAIR FLECK SXT CONTROLLER

With the Pentair Fleck SXT controller, you get the added features of a fully electronic controller with a large blue back-lit LCD screen. Easy electronic programming with integral power backup in the event of power failure. Displays regeneration step and time remaining during regeneration as well as regeneration tonight or now option. LCD display alternates between time of day, volume remaining or days till regeneration, and tank in service. Programming is stored in memory and will not be lost due to power outages. The valve also keeps water usage history for diagnostics.



Pentair Fleck 9100 SXT Control Valve

FLECK
Pentair Water



Twin tank systems use 100% of the softening capacity. Regenerating one tank while the other is in use. This allows for more efficiency which saves you money with less water and salt consumption.

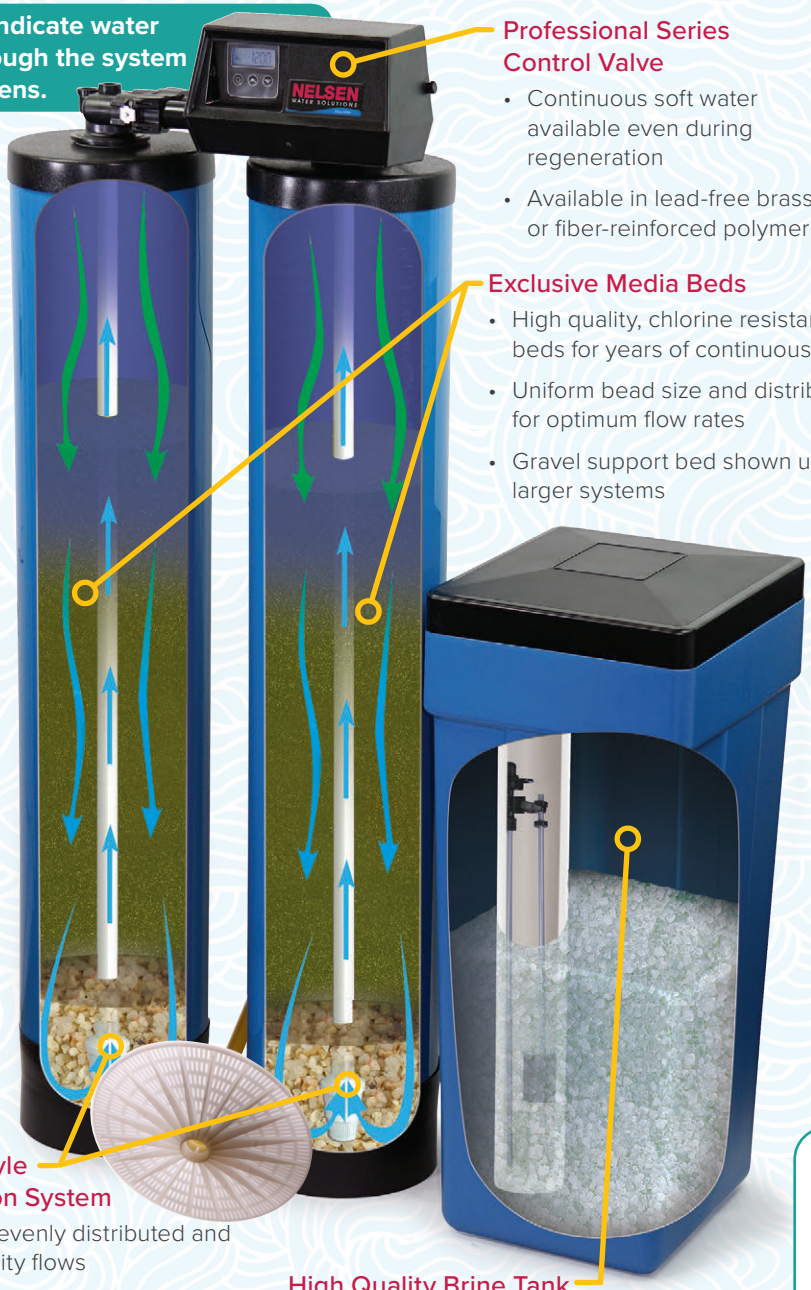
Softener shown with 9100 SXT Electronic Control Valve and optional Tank Jackets to reduce condensation

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9100 Series Residential Twin Softener System Specifications - Additional Sizes Available				
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	44W x 57H x 20D	46W x 63H x 20D	50W x 57H x 20D	52W x 63H x 20D
Approximate Weight - Pounds	188#	232#	292#	322#
Mineral Tank Size	9" x 48"	10" x 54"	12" x 48"	13" x 54"
Backwash Flow GPM[3]	2.0	2.4	3.5	4.0

(1) At 15 pounds of salt per cubic foot of resin = 30,000 Grains/Cubic Foot (2) At 9 pounds of salt per cubic foot = 24,000 Gr. C.F. (3) Backwash flow rate in Gallons Per Minute 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.
System media may vary based on water analysis to optimally treat specific water problems. Additonal system sizes available than what's shown above.

Arrows indicate water flow through the system as it softens.



Professional Series Control Valve

- Continuous soft water available even during regeneration
- Available in lead-free brass or fiber-reinforced polymer

Exclusive Media Beds

- High quality, chlorine resistant media beds for years of continuous service
- Uniform bead size and distribution for optimum flow rates
- Gravel support bed shown used on larger systems

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

High Quality Brine Tank

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

SYSTEM FEATURES & OPTIONS

Key Features

- Fiber-reinforced polymer valve body for superior strength and durability, non-corrosive and UV-resistant
- Continuous service flow rate up to 20 gpm with backwash up to 8.5 gpm
- Backwash capability accommodates softener tanks up to 16"
- Fully adjustable 5-cycle control for efficient and reliable water treatment system
- Time-tested, hydraulically-balanced piston for service and regeneration
- Rugged-built electromechanical timer designed with heavy duty ⅜" wide plastic gears
- Salt and water savings by using 100% capacity of the tank in service before switching to the second tank
- Regenerates immediately when needed for continuous soft water
- Regenerates with soft water keeping system clean for optimum operating efficiency and minimum maintenance

Additional Options

- Brine cam auxillary switch
- Electromechanical timer auxillary switch
- Plumbing connections in ¾" to 1-¼" NPT and sweat

Doesn't your home deserve soft water 24/7? It's a phone call away!

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