



2510 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 specifically address the water quality issues that are unique to your home providing your family with outstanding water. Your investment will reward you with quality water at every faucet in your home.



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 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 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.

2510 SERIES



COMMON WATER ISSUES

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.

PENTAIR FLECK 2510 CONTROL VALVE

The Pentair Fleck 2510 control valves are engineered to withstand 10,000 cycles. The key to the exceptional quality of the Pentair Fleck 2510 control valve is the proven piston-seal-spacer technology. Featuring a hydraulically balanced, Teflon-coated piston with a seal and spacer to effectively control service flow and regeneration, the Pentair Fleck 2510 valve is simply one of the most reliable valves available.

Your choice of a mechanical timer that initiates regeneration on a preset day basis, or a more efficient meter system that measures the water used. Because meter systems control regeneration based on water volume instead of days, you can save significant amounts of both water and electricity. The electronic SXT controllers give the benefits of accurate metering with the safety of a days override to ensure a clean, long-lasting system.

THE STATE-OF-THE-ART 2510 SXT ELECTRONIC METER CONTROL

The 2510 SXT Electronic Meter Control provides your home with conditioned water based on your family's water usage,

regenerating only when needed. This control ensures you years of soft water; saving you money, water and regenerant.

THE TIME-TESTED 2510 MECHANICAL METER CONTROL

The 2510 Mechanical Meter Control features an economical water meter engineered to monitor your family's daily water usage, regenerating your system only when needed. Pentair Fleck's time-tested mechanical meter will provide years of trouble-free service.

THE ECONOMIC 2510 TIME CLOCK CONTROL

The economic 2510 Time Clock Control is as simple to set as turning a dial.



Pentair Fleck 2510 Time Clock Control Valve Shown on Softener



Pentair Fleck 2510 Time Clock Control Valve



Pentair Fleck 2510 SXT Electronic Meter Control Valve



2510 Series Residential Single 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 Ft. Material per Tank	1.00	1.50	2.00	2.50
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 - Pounds	98#	124#	152#	219#
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. Additional system sizes available than what's shown above.

Arrows indicate water flow through the system as it softens.

Professional Series Control Valve

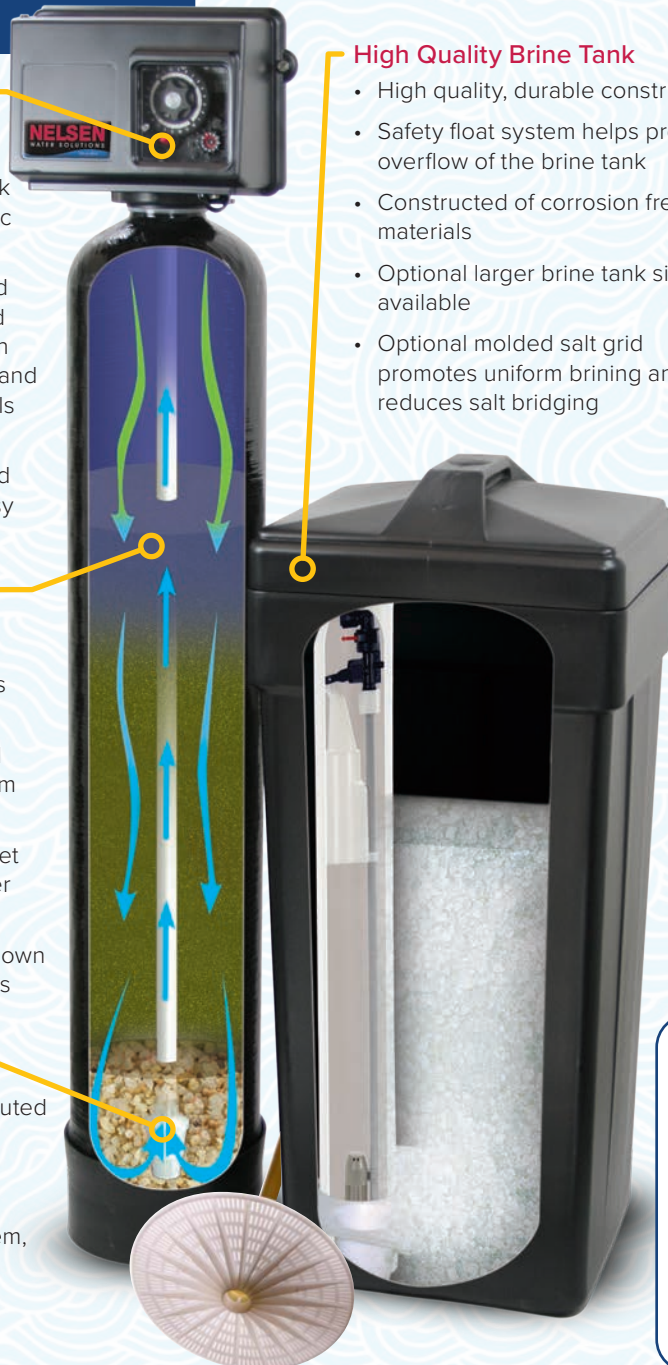
- Controls available in Mechanical Time Clock or Meter and Electronic Time Clock or Meter
- Water use is monitored for peak efficiency and regenerates only when necessary saving salt and water (metered controls only)
- Simple diagnostics and design provide for easy maintenance

Exclusive Media Bed

- High quality, chlorine resistant media bed, for years of continuous service
- Uniform bead size and distribution for optimum flow rates
- Optional resins to target and treat specific water problems available
- 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
- Constructed of corrosion free materials
- Optional larger brine tank sizes available
- Optional molded salt grid promotes uniform brining and reduces salt bridging

SYSTEM FEATURES & OPTIONS

Key Features

- Fiber-reinforced polymer valve body for superior strength and durability, noncorrosive and UV-resistant
- Continuous service flow rate of 19 GPM with a backwash of 17 GPM
- Backwash capability accommodates softener tanks up to 16" and filter up to 16" in diameter
- Fully adjustable 3 or 5 cycle control for an efficient and reliable water treatment system
- Time-tested, hydraulically-balanced piston for service and regeneration
- Rugged-built electromechanical timer designed with heavy duty 3/8" wide plastic gears

Additional Options

- Filter, AIO or softener control valves
- No hard water bypass piston
- Brine cam auxiliary switch
- Electromechanical timer auxiliary switch
- Plumbing connections in 3/4" to 1-1/4" NPT, and sweat
- Fiber-reinforced polymer or stainless steel bypass valve
- Manual lever operation available

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