



5600 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 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 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.

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5600 SERIES

NELSEN WATER SOLUTIONS Since 1954

Nelsen Water Solutions water conditioners and filtration products have been providing homeowners with the best water treatment solutions for more than 65 years. Working with the professional water treatment dealer, your new Nelsen water treatment system will fit your exact needs and provide you with years of quality, conditioned water.

ENGINEERED TO LAST

The 5600 control valves have been engineered and internally tested to exceed NSF/ANSI 44 standards. The key to the exceptional quality of the Pentair Fleck 5600 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 5600 valve is simply one of the most reliable valves available.

TIME CLOCK, METERED, OR SXT CONTROL

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

THE STATE-OF-THE-ART 5600 SXT ELECTRONIC METER CONTROL

The 5600 SXT electronic meter control provides your home with conditioned water based on your family's water usage, regenerating only when needed. This environment-friendly control ensures you years of soft water; saving you money, water and salt. A large backlit LCD display alternates between time of day, soft water remaining or days to regeneration.



Pentair Fleck 5600 Meter Control Valve

THE 5600 METER CONTROL

The time-tested 5600 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 5600 TIME CLOCK CONTROL

The economic 5600 time clock control is as simple to set as turning a dial.



Pentair Fleck 5600 Time Clock Valve



Pentair Fleck 5600 Time Clock Control Valve Shown on Softener



Pentair Fleck 5600 SXT Valve

FLECK Pentair Water

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5600 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	1.0	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 - Pounds	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

- Fiber-reinforced polymer valve body for superior strength and durability, non-corrosive, and UV-resistant
- Optional SXT model with an LCD display with 48 hours of internal backup power

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 available to target specific problems water problems

Basket Style Distribution System

- Delivers evenly distributed and high quality flows
- Gravel support bed shown used on larger systems

The arrows indicate water flow through the system as it softens.

Optional Enpress® Vortech™ Plate Tank style distribution system, provides 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
- Larger brine tank sizes available

SYSTEM FEATURES & OPTIONS

Key Features

- *Time Clock* - Initiates regeneration on a preset time basis
- *Electromechanical Timer* - Simple to adjust and easy to service with quick access to all internal components
- *SXT Model* - Large LCD display and user-selectable time clock or metered function; usable for filtration and softener systems
- Continuous service flow rate of 20 gpm with a backwash of 7 gpm
- Backwash capability accommodates softener tanks up to 12" and filter up to 10" in diameter
- Fully adjustable 3 or 5 cycle control for efficient and a reliable water treatment
- Time-tested, hydraulically-balanced piston for service and regeneration

Additional Options

- Brine cam auxiliary switch
- Plumbing connections in ¾" to 1-¼" NPT, and sweat

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

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