



NORTH STAR[™]
WATER TREATMENT SYSTEMS



RESIDENTIAL WATER SOFTENER **GUIDE**



CABINET MODELS

NSC22

22,000 Grain Water Softener



FEATURES

- Ideal for small to medium households
- High flow valve for optimal water pressure
- 6 ppm clear water (ferrous) iron reduction
- Built-in tank light

NSC31

31,000 Grain Water Softener



FEATURES

- Ideal for medium to large households
- High flow valve for optimal water pressure
- 8 ppm clear water (ferrous) reduction
- Built-in tank light

NSC42

42,000 Grain Water Softener



FEATURES

- Ideal for any sized household
- Ultra high flow valve for maximum water pressure
- 11 ppm clear water (ferrous) iron reduction
- Premium electronic board displays
- Built-in tank light

NSCWC

35,000 Grain Water Softener
+ Whole
Home
Filter



FEATURES

- 2-in-1 system softens & filters water throughout the entire home
- Reduces chlorine taste & odor using carbon filtration
- Ideal for any sized household
- High flow valve for optimal water pressure
- Self-cleaning sediment filter, with no filters to replace
- Built-in tank light
- No filters to replace

NSCWHC

Water Softener + Whole Home
Filtration
With WiFi



FEATURES

- High capacity 2-in-1 system softens & filters water throughout the entire home
- Utilizes WiFi technology and the iQua™ Water Management App to send critical water alerts directly to your phone
- Conveniently manage your home's water from anywhere, any time
- The optional North Star Motorized Water Shut-Off Valve allows homeowners to turn off their water via the iQua™ App if a leak occurs
- Reduces chlorine taste and odor using carbon filtration
- No filters to replace



ALL NEW CABINET MODELS FEATURE

AutoSense™ Technology

Monitors your water usage to determine the optimal frequency of regeneration, maximizing efficiency while minimizing salt and water usage.

Low Salt Monitor

Indicates the softener is working efficiently and flashes when the softener is getting low on salt, allowing you a few days to refill the salt tank.

High Capacity Media

Our long-lasting softening resin has more hardness holding capacity than standard resins, allowing you to go longer between regenerations.

Installation Kit

Our softeners come with everything needed to hook up to 1" NPT plumbing, including a bypass valve.

CHOOSE THE WATER SOFTENER THAT'S **RIGHT FOR YOU**



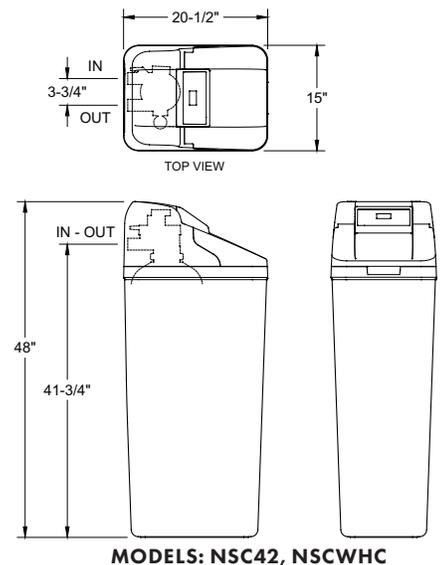
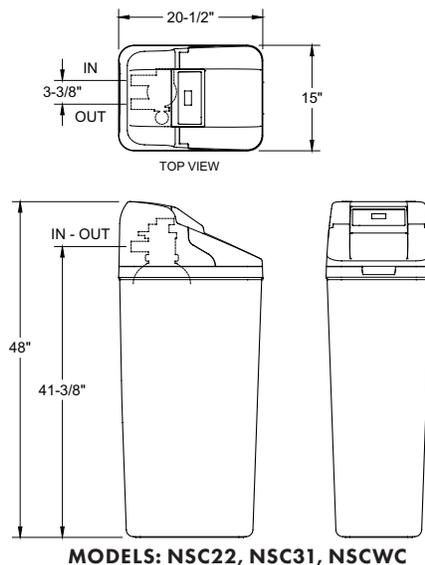
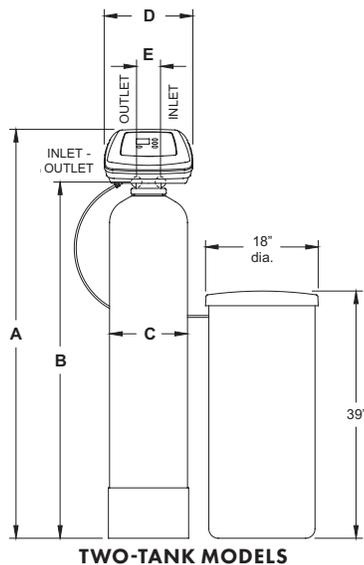
| SPECIFICATIONS | CABINET MODELS | | | | | TWO-TANK MODELS | | |
|--|----------------|---------|---------|---------|---------|-----------------|----------|----------|
| Model Number | NSC22 | NSC31 | NSC42 | NSCWC | NSCWHC | NST30ED | NST45ED1 | NST70ED1 |
| Part Number | NSC2223 | NSC3123 | NSC4223 | NSCWC23 | NSCWHC3 | 7366431 | 7366449 | 7366457 |
| Household Size | 1-4+ | 1-5+ | All | All | All | 1-5+ | 1-6+ | All |
| Max Capacity (Grains) | 22,100 | 31,300 | 42,100 | 35,600 | 31,100 | 30,200 | 45,300 | 70,000 |
| Resin (cu. ft.) | 0.65 | 0.81 | 1.20 | .98 | 0.98 | 0.78 | 1.26 | 1.94 |
| Activated Carbon | No | No | No | Yes | Yes | No | No | No |
| Standard Connection Size | 1" NPT | 1" NPT | 1" NPT | 1" NPT | 1" NPT | 1" NPT | 1" NPT | 1" NPT |
| Valve | 3/4" | 3/4" | 1" | 3/4" | 1" | 3/4" | 1" | 1" |
| Rated Service Flow Rate (gpm) | 7.2 | 7.2 | 9.9 | 8.0 | 8.0 | 7.3 | 10.0 | 13.5 |
| Intermittent Flow Rate (gpm @ 30 psi drop) | 11.3 | 11.8 | 17.8 | 17.1 | 17.8 | 11.0 | 18.6 | 21.0 |
| Clear Water Iron Reduction (ppm) | 6 | 8 | 11 | 3 | 3 | 8 | 12 | 19 |
| Electronic Demand | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Maximum Efficiency (grains removed per lb of salt) | 4,474 | 5,090 | 4,940 | 4,780 | 4,780 | 5,090 | 5,070 | 5,080 |

DIMENSIONS

| | | | | | | | | |
|---------------------------|---------|---------|--------|---------|--------|--------|--------|--------|
| Overall Height (A) | 48" | 48" | 48" | 48" | 48" | 48.75" | 50" | 65.75" |
| Inlet - Outlet Height (B) | 41.375" | 41.375" | 41.75" | 41.375" | 41.75" | 41.25" | 41.25" | 57" |
| Resin Tank Diameter (C) | NA | NA | NA | NA | NA | 8.25" | 10.5" | 12.25" |
| Width (D) | 15" | 15" | 15" | 15" | 15" | 11.5" | 14" | 14" |
| Inlet - Outlet Width (E) | 3.375" | 3.375" | 3.75" | 3.375" | 3.75" | 3.375" | 3.75" | 3.75" |

WARRANTY

1 year on all parts | **5 year** on electronics and valves | **10 years** on tanks



TWO-TANK MODELS

NST30ED

30,000 Grain Water Softener



FEATURES

- Ideal for small to medium households
- High flow valve for optimal water pressure
- 8 ppm clear water (ferrous) iron removal

NST45ED1

45,000 Grain Water Softener



FEATURES

- Ideal for any sized household
- Ultra high flow valve for up to 1" plumbing delivers maximum water pressure
- 12 ppm clear water (ferrous) iron removal

NST70ED1

70,000 Grain Water Softener



FEATURES

- Ideal for any sized household
- Ultra high flow valve for up to 1" plumbing delivers maximum water pressure
- 19 ppm clear water (ferrous) iron removal

ALL TWO-TANK MODELS FEATURE

AutoSense™ Technology

Monitors your water usage to determine the optimal frequency of regeneration, maximizing efficiency while minimizing salt and water usage.

HE Regeneration

North Star systems use reverse flow during regeneration, proven to be the most effective way to clean a resin bed of hardness minerals.

Reinforced Media Tank

We only use durable, HDPE double-wrapped resin tanks to handle the maximum internal pressures.

NORTH STAR QUALITY



EASY TO INSTALL

North Star systems come with fittings needed for a simple installation.



LOW MAINTENANCE

We incorporate high-efficiency technology and pro-grade materials into our North Star systems, delivering an easy-to-use solution you can count on.



WARRANTY PROTECTION

North Star Water Treatment Systems boast the most comprehensive warranties in plumbing wholesale, proof of our commitment to quality.



HIGH QUALITY MANUFACTURING

Our three U.S. based manufacturing facilities produce 95% of all components in our systems, allowing us to maintain strict control over the quality of our finished products.



UNPARALLELED SUPPORT

Our sales and business development team continually works with you to maximize your water treatment potential.

WANT TO **KNOW MORE?**

If you need more information about North Star Residential Softener Systems, get in touch with us or contact your local North Star representative.

Place Business
Card Here

HOW TO **CONTACT US**

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NORTH STAR ALSO OFFERS A COMPREHENSIVE LINE OF
RESIDENTIAL FILTRATION & COMMERCIAL PRODUCTS

