



North Star®
WATER CONDITIONING

NSC30UD & NST30UD ULTRA DEMAND WATER SOFTENER

Features

- Designed for better water flow rates and reduced pressure loss. Great for today's large home applications.
- ESP™ - Technically Advanced Easy Serviceability Immediate service information transmitted via telephone from softener to factory for softener diagnosis.
- Back Lit LCD Display
- Super Cap® Time Keeper
- Permanent Program Memory
- Environseal™ Circuitry Protection Protection from salt corrosion and high humidity.
- Protection From Static, Power Surges and Interference
- No Timer Gears to Wear Out
- No Vacation Settings Necessary
- By-Pass Included

	NSC30UD & NST30UD
Rated Capacity (Grains @ lbs. Salt)	11,800 @ 2.3 25,300 @ 7.4 30,200 @ 12.5
Rated Efficiency ^① (grains/lb @ lb. Salt dose) . . .	5120 @ 2.3
Amount of High-Capacity Resin (lbs / cu ft)	40 / .78
Resin Tank Nominal Size (in., Dia x height)	8 X 40
Flow Rate (gpm)	7.5
Pressure Drop at Service Flow (psi)	14
Intermittent Flow Rate @ 15 psi ^③	7.9
Water Supply Max. Hardness (gpg)*	90
Water Supply Max. Clear Water Iron (ppm)*	8
Water Pressure Limits (min./max. Psi)	20 - 100
Water Temperature Limits (°F)	40 - 120
Water Supply Min. Flow Rate (gpm)	3
Pipe Size	3/4"
Regeneration Cycle Flow Rates (gpm)	
Fill (flow to brine tank)	0.3
Brining	0.15
Brine Rinse	0.10
Backwash	2.0
Fast Rinse	2.0
Approx. Shipping Wt. Lbs (NSC30UD)	85
Approx. Shipping Wt. Lbs (NST30UD)	93

NSF/ANSI 44 for specific performance claims as verified and substantiated by test data.

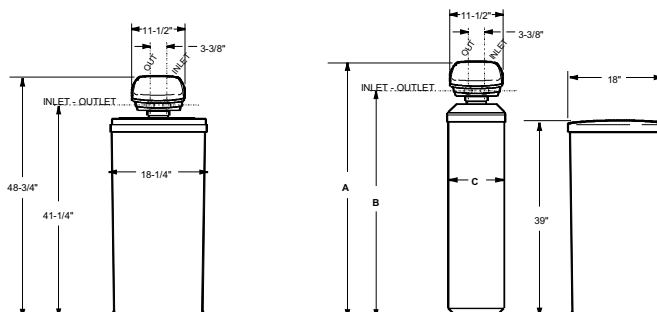
① Efficiency rating is only at the lowest salt dosage. These softeners were efficiency rated according to NSF/ANSI Standard 44.

Capacity to reduce clear water iron is substantiated by WQA test data.

③ Intermittent flow rate does not represent the maximum service flow rate used for determining the softeners rated capacity and efficiency. Continuous operation at flow rates greater than the service flow rate may affect capacity and efficiency performance.



System Tested and Certified by NSF International against NSF/ANSI Standard 44 for softener performance.



Authorized Dealer