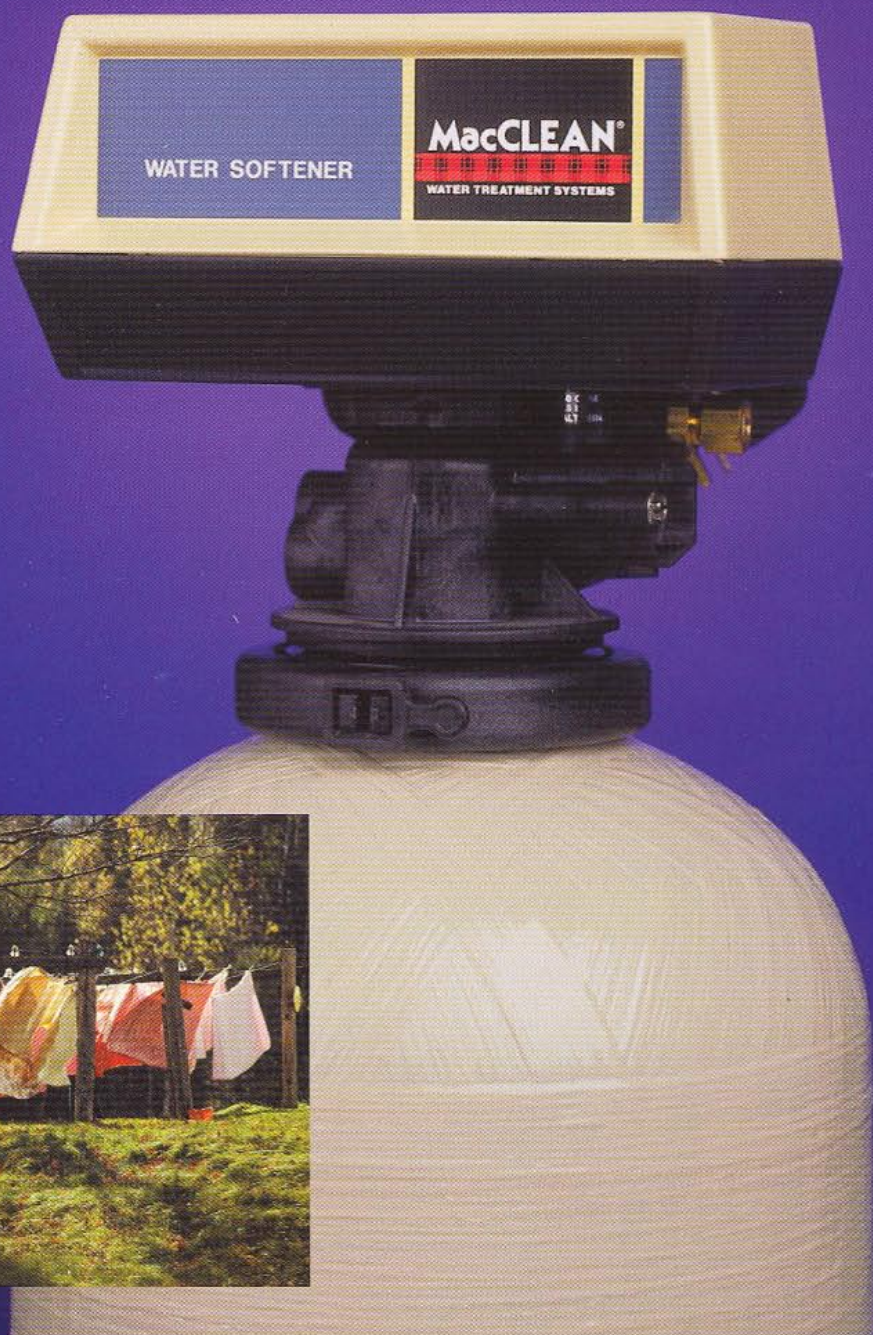
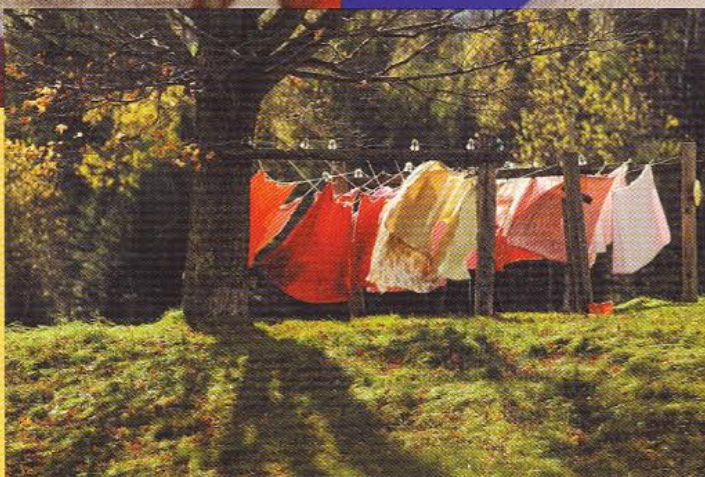
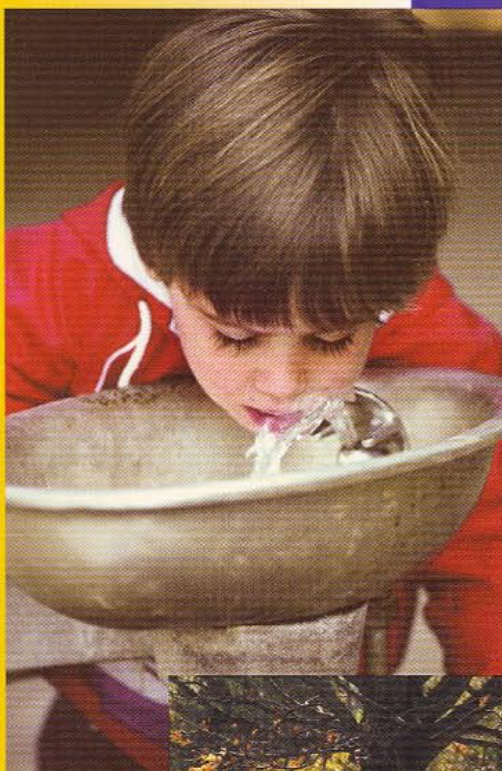


SERIES

W A T E R
S O F T E N E R S



MacCLEAN
N Series Water Softeners
Feature:



"Cut away" image shown to view internal mechanisms.

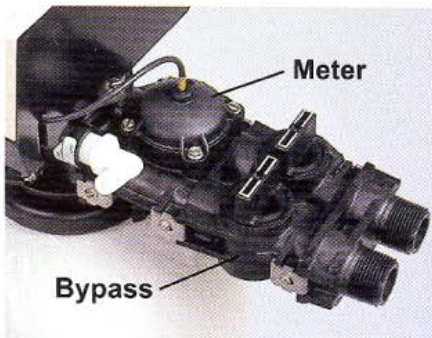
- **Dependable Motorized Piston Control Valve.**
Fully automatic. Can be programmed to condition the hardest water, and at the same time provide maximum salt efficiency.
- **Seamless Fiberglass Resin Tank.**
No seams or heat welded bonds to fail and leak. Will never rust or corrode. Semi-transparent for visual inspection.
- **Ion Exchange Resin of Highest Quality.**
Stable and uniform, assuring excellent exchange capacity and long life.
- **CYCLONE DISTRIBUTOR.**
Not only turns the resin bed over, but also spins the resin with powerful cyclonic action. This action scrubs the resin clean!
- **Optional Meter Regeneration.**
Monitors water usage like a home water meter and signals regeneration according to the amount of water used.
- **Safety Brine Valve.**
Float actuated, prevents overflow of brine maker during power outage.
- **Heavy Duty Brine Maker.**
Has a hefty 300 pound salt capacity that minimizes frequency of salt refill.
- **Salt Support Assembly.**
Allows use of almost any type of water softener salt, and minimizes "mushing" and necessity of frequent cleaning.

Bypass Valve

(Standard on all N Series models).

Meter

(Optional) Add "M" suffix to model number (i.e. NSM1001).



The seamless resin tank is tested and certified by NSF International under ANSI/NSF Standard 44 for materials and structural integrity requirements only.

Specifications

Model (see note 1)	Media (cubic feet)	Pipe Size	Maximum Capacity (grains) (note 2)	Flow Rates (gpm)			Space Requirements (Width" x Depth" x Height")
				Contin-uous	Service	Back Wash	
NS0500	0.5	¾"	15,000	2.0	4.0	1.2	28 x 19 x 43
NS0501	0.5	1"	15,000	2.0	4.0	1.2	28 x 19 x 43
NS0750	0.75	¾"	22,500	3.0	6.0	1.2	28 x 19 x 52
NS0751	0.75	1"	22,500	3.0	6.0	1.2	28 x 19 x 52
NS1000	1.0	¾"	30,000	4.0	7.0	1.5	28 x 19 x 52
NS1001	1.0	1"	30,000	4.0	7.0	1.5	28 x 19 x 52
NS1500	1.5	¾"	45,000	6.0	8.0	2.4	31 x 19 x 62
NS1501	1.5	1"	45,000	6.0	8.0	2.4	31 x 19 x 62
NS2000	2.0	¾"	60,000	7.0	8.5	2.4	31 x 19 x 62
NS2001	2.0	1"	60,000	7.0	8.5	2.4	31 x 19 x 62
NS2500	2.5	¾"	75,000	9.0	10.0	3.5	34 x 19 x 62
NS2501	2.5	1"	75,000	9.0	10.0	3.5	34 x 19 x 62

Notes: 1. Add suffix "M" for metered models: i.e. NSM1001.
2. Salt dosage = 15 lbs./cu. ft.

SPACE MAKER



- Superior Design; better than conventional cabinet model softeners.
- Fits snugly into 15" x 26" floor space.
- Brine tank can be remotely located for optimal space savings.
- Detached brine tank permits easy cleaning.
Allows the use of any water softener salt and eliminates condensation problems associated with cabinet models.

Specifications

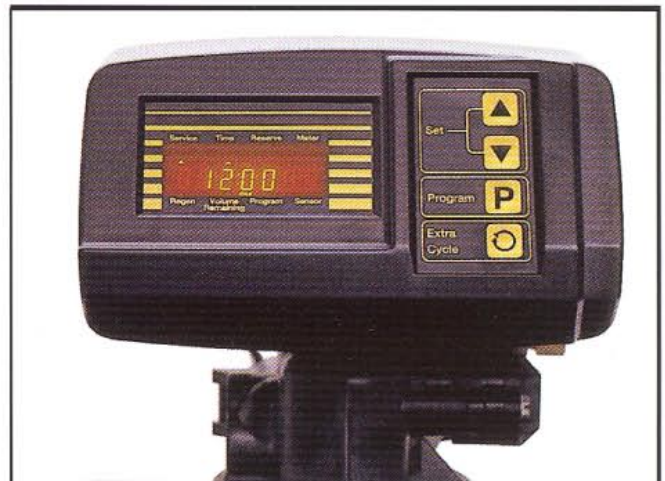
Model (see note 1)	Media (cubic feet)	Pipe Size	Maximum Capacity (grains) (note 2)	Flow Rates (gpm)			Space Requirements (Width* x Depth* x Height*)
				Contin- uous	Service	Back Wash	
NLS0500	0.5	¾"	15,000	2.0	4.0	1.2	15 x 26 x 45
NLS0501	0.5	1"	15,000	2.0	4.0	1.2	15 x 26 x 45
NLS0750	0.75	¾"	22,500	3.0	6.0	1.5	15 x 26 x 45
NLS0751	0.75	1"	22,500	3.0	6.0	1.5	15 x 26 x 45
NLS1000	1.0	¾"	30,000	4.0	7.0	2.4	15 x 26 x 45
NLS1001	1.0	1"	30,000	4.0	7.0	2.4	15 x 26 x 45

Notes: 1. Add suffix "M" for metered models: i.e. NLSM1001.
Meters are more practical on 1.0 cu. ft. models.
2. Salt dosage = 15 lbs./cu. ft.

N SERIES

Electronic Water Softener

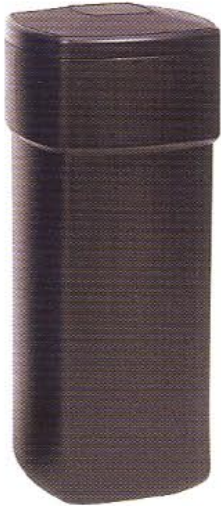
- All cycles are fully adjustable for maximum efficiency.
Saves salt and water.
- Push button programming of MICROPROCESSOR.
- Available with time clock or meter initiation.
- Metered models constantly monitor water usage.
Screen displays gallons per minute water is flowing through the unit; gallons to regeneration; time of day and regeneration cycles.



Add "E" to model number when ordering electronic control softeners (i.e. NELS1001).

HIGH

PERFORMANCE



Water Softener

- Removes higher level of iron than standard softeners.
- Features a seamless resin tank which will not rust or corrode.
- Greater softening capacity.
- Provides luxurious, soft, filtered water with one unit.

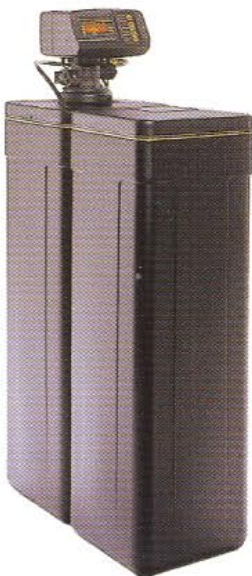
Model	Control	Grain Capacity	Space Required width x depth x height	Pipe Size	Approx. Weight	Flow Rate (gpm)		
						Service	Peak	Backwash
NSIX1001	Time Clock	34,000	28" x 18" x 52"	1"	151 lbs.	7	10	1.2
NSIMX1001	Metered	34,000	28" x 18" x 52"	1"	152 lbs.	7	10	1.2
NSIX2001	Time Clock	68,000	31" x 18" x 62"	1"	195 lbs.	9	12	1.5
NSIMX2001	Metered	68,000	31" x 18" x 62"	1"	196 lbs.	9	12	1.5

Notes:

1. Never use this unit in conjunction with an air-to-water pressure tank.
2. For optimum iron removal, add IRON-X resin cleaner to salt in brine tank.
3. Because iron is found in several forms, removing iron with a softener is always a gamble. For best results, use a CHEM-FREE™ iron removal system.

INTELLIS

Water Softener



- Softens with less salt and water.
- Removes more ferrous iron.
- Filters more sediment.
- Fully adjustable cycles for maximum efficiency on any water supply.
- Small footprint, 11" x 25" including brine tank.

Simple push button programming allows you to monitor and control every function and cycle. Regeneration is delayed to a time when conditioned water is not required.



Model	Control	Grain Capacity	Min. Space Required width x depth x height	Pipe Size	Approx. Weight	Flow Rate (gpm)		
						Continuous	Service	Backwash
IS100X	Electronic	20,000	11" x 27" x 43"	1"	125	4.0	7.0	2.4

Notes:

1. Never use this unit in conjunction with an air-to-water pressure tank.
2. For optimum iron removal, add IRON-X resin cleaner to salt in brine tank.
3. Because iron is found in several forms, removing iron with a softener is always a gamble. For best results, use a CHEM-FREE™ iron removal system.

CUNO Water Treatment has a policy of continuous improvements of its products and reserves the right to change materials and specifications without notice.

Resin tank and components manufactured under one or more of the following U.S. Patent Numbers:
5,584,411 - 5,699,930 - 5,890,750 European Patent Number: EP 0779244 B1



Manufactured By:



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