



NORTHSTR-North Star Water Treatment Systems
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Electronic Demand Water Softeners
EASY START-UP

- Turn it on
- Set time of day
- Set water hardness

WASTE MANAGEMENT FEATURES

- Shows Capacity remaining
- Shows water flow thru valve in GPMS
- Shows water used per day
- Shows average gallons used over past 7 days



(NSC) Cabinet

RECHARGES ACCORDING TO ACTUAL WATER USE

- 3/4" water connection
- Meter accurately measures water use
- Computer combines water use and water hardness to compute need for recharge
- Computer determines correct amount of salt & water to recharge only used portion of mineral bed
- "Super Cap[®]" time keeper keeps time up to 72 hours, no batteries required

Part #	Description	Price
57000103	NSC25ED Cabinet 25,000 grains	1030.00

Water System Accessories

Part #	Description	Price
57001012	NSBPV By-Pass Valve	45.70
57001054	NSWTK Test Kit-For Hardness, Iron, Acid	127.18
57001410	7129716 Seal Kit	36.98

Ultra[®] Computerized Demand System
Water Softeners

EASY START-UP

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- Set time of day
- Set water hardness

WASTE MANAGEMENT FEATURES

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(NSC) Cabinet

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FEATURES

- Back lit LCD display for easy viewing even in dim lighting
- "Super Cap[®]" time keeper keeps time up to 72 hours, no batteries required
- ESP[®] Technically advanced for easy serviceability. Immediate service information transmitted via telephone from softener to to factory for softener diagnosis.
- Permanent program memory
- Environseal[®] circuitry 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

Part #	Description	Price
57000230	NSC30UD Cabinet 30,100 Grains	1118.00

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Ultra® II Computerized Demand System Water Softeners

EASY START-UP

- Turn it on
- Set time of day
- Set water hardness

WASTE MANAGEMENT FEATURES

- Shows Capacity remaining
- Shows water flow thru valve in GPMS
- Shows water used per day
- Shows average gallons used over past 7 days



(NSC) Cabinet

RECHARGES ACCORDING TO ACTUAL WATER USE

- Meter accurately measures water use
- Computer combines water use and water hardness to compute need for recharge
- Computer determines correct amount of salt & water to recharge only used portion of mineral bed

FEATURES

- 1" Water connection
- Back lit LCD display for easy viewing even in dim lighting
- "Super Cap®" time keeper keeps time up to 72 hours, no batteries required
- ESP® Technically advanced for easy serviceability. Immediate service information transmitted via telephone from softener to to factory for softener diagnosis.
- Permanent program memory
- Environseal® circuitry 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

Part #	Description	Price
57000380	NSC40UD1 Cabinet 3,900 Grains	1350.00

2 Tank Water Softener Demand System

EASY START-UP

- Turn it on
- Set time of day
- Set water hardness

WASTE MANAGEMENT FEATURES

- Shows Capacity remaining
- Shows water flow thru valve in GPMS
- Shows water used per day
- Shows average gallons used over past 7 days



RECHARGES ACCORDING TO ACTUAL WATER USE

- Meter accurately measures water use
- Computer combines water use and water hardness to compute need for recharge
- Computer determines correct amount of salt & water to recharge only used portion of mineral bed

FEATURES

- 3/4" Water connection
- Back lit LCD display for easy viewing even in dim lighting
- "Super Cap®" time keeper keeps time up to 72 hours, no batteries required
- ESP® Technically advanced for easy serviceability. Immediate service information transmitted via telephone from softener to to factory for softener diagnosis.
- Permanent program memory
- Environseal® circuitry 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

Part #	Description	Price
57000400	NST30UD 2 Tank Wtr Softener - 30,100 Grains	1310.00



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**Accessories for for RO System-NSROWF
Home Drinking Water**



Part #	Description	Price
57001200	7150937 Carbon Filter Kit	71.50
57001300	7014733 Prefilter Kit	18.90
57001400	7173838 Filter Kit	14.50

**Reverse Osmosis System-NSRO42C4
Home Drinking Water**

- Space-saving Design
- Designer Faucets (Polished Chrome Standard)
- Monitoring System
- 15 Gallons Daily Product Water
- 6 Months Pre/Post Carbon Filter Life
- 1 - 3 Years Membrane Life
- Do-It-Yourself Filter Change



Part #	Description	Price
57000550	NSRO42C4 Northstar R/O System	530.00

Accessories for NSRO42C4



Part #	Description	Price
57001420	7287514 Northstar Membrane Cartridge	125.78
57001425	7287506 Northstar Carbon Filter Kit	59.10

Whole House Automatic Sediment Filter

- **Point of Entry**
Intended to filter water for entire home
- **Self-Cleaning**
Effectively rinses loose particulate from the filter screen
Minimal pressure drop due to dirty/plugged filters
Programmable cleaning
Backlit LCD display shows number of days until next clean cycle
- **Battery Operated - 9V**
Optional 110 volt transformer
Low battery indicator
- **Brass Threaded Inserts**
1" NPT pipe thread
Avoid stripping plastic threads
Universal connections
- **Large Capacity Filter Screen**
More screen area for less pressure drop
Longer interval between cleaning
Filter can be manually cleaned by using the Clean Now button
- **Filter Screens**
Heavy-duty stainless steel screen
Three mesh sizes available to fit all applications
60 micron standard
- **Clear Sump**
Allows viewing flow, sediment removal and auto clean feature
- **Includes All Necessary Installation Equipment**
Drain Line
Battery
Bracket



Part #	Description	Price
57000560	EP-ASF1 Northstar Automatic Sediment Filter	270.00
Part #	Description	Price
57001430	7302835 Northstar AC Adapter For EP-ASFI	85.78

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AP11 Whole House Filter

Handles 1-2 Bath Home

- Built-In Pressure Relief Button
- 3/4" Pipe Connection
- 8 GPM Flow
- Transparent Sump
- Wrench included



AP110



AP11T

10 Yr Ltd Warranty

Part #	Description	Price
07150990	AP11T Dirt/Rust Whole House Filter Includes Std AP110H/C Cartridge	149.90

AP102 Whole House Filter

Handles 3-4 Bath Home

- Shutoff Valve in Head with Automatic Pressure Relief
- 3/4" Pipe Connection
- 16 GPM Flow
- Transparent Sump
- Wrench included



AP102T

10 Yr Ltd Warranty

Part #	Description	Price
07106103	AP102T Whole House Multi Filter Cartridges Not Included	259.90

AP101 Whole House Filter

Handles 1-2 Bath Home

- Shutoff Valve in Head with Automatic Pressure Relief
- 3/4" Pipe Connection
- 8 GPM Flow
- Transparent Sump
- Wrench included



AP110



AP101T

10 Yr Ltd Warranty

Part #	Description	Price
07160101	AP101T Dirt/Rust Whole House Filter Includes Std AP110H/C Cartridge	189.90

Cartridges for AP11 AP101 AP102



AP110



AP117



AP124

Part #	Description	Price
07160110	AP110H/C Dirt/Rust Cartridge 8 GPM, 5 Micron, Normal Load	43.10
07104235	AP124 Dirt/Rust Cartridge 8 GPM, 50 Micron, Heavy Load	50.10
07160117	AP117 Dirt/Rust/Taste/Odor Cartridge 3 GPM, 5 Micron, Normal Load	94.30

Mounting Brackets for AP11 AP101 AP102



Part #	Description	Price
07160105	APMB Mounting Bracket	17.10



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**AP801 Whole House Filter
Handles Larger Homes and Commercial
Applications**

- Built-In Pressure Relief Button
- 1" Pipe Connection
- 20-28 GPM Flow
- Opaque Plastic Sump
- Wrench included



2 Yr Ltd Warranty



AP801

Part #	Description	Price
07161801	AP801 Heavy Duty Housing Filter System Cartridges Not Included	149.90
07161810	AP810 Dirt/Rust Cartridge 20-28 GPM, 5 Micron, Normal Load	56.78
07161815	AP815 Dirt/Rust/Taste/Odor Cartridge 5 GPM, 5 Micron, Normal Load	84.30
07161805	APMB801 Mounting Bracket	33.38

**AP-327 Triple Action Water Filter
Dirt/Rust/Taste/Odor/Chlorine**

- 1/4" Connection
- 1/2 GPM Flow
- AP327 Sanitary Quick Change
Cartridge Included



AP-327

Part #	Description	Price
07160855	AP327 Dirt/Rust/Taste/Odor/Chlorine Cart 1/2 GPM	58.70

**AP801T Whole House Filter
Handles Larger Homes and Higher Flow Rates**

- Thick Wall, High Impact Plastic Design Burst
tested to 400PSI
- Rated for continuous operating pressure up to
100PSI
- 1" Pipe Connection allows for flow rates up to
60GPM
- Universal Large Diameter Sump fits all standard
large diameter cartridges
- Perfect for well supplies



• 10Yr Ltd Warranty



AP801T

Part #	Description	Price
07161970	AP801-C AP801T-C Cuno Clear Housing Kit	179.90

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AP200 Under Sink Filter
Dirt/Rust/Taste/Odor

- 3/8" Pipe Connection
- 2 GPM Flow
- Opaque Plastic Sump
- Mounting Bracket



AP 217 AP 200

- **10 Yr Ltd Warranty**

Part #	Description	Price
07160200	AP200 Undersink Water Filter W/MB Includes Std AP217 Cartridge	179.90
07160217	AP217 Dirt/Rust/Taste Cartridge 2 GPM, 5 Micron, Normal Load	119.90

AP717 Ice-Maker Filter
Dirt/Rust/Taste/Odor/Scale

- 1/4" Pipe Connection
- 1/2 GPM Flow
- Triple Action Filtration & Treatment to 5 Microns
- Opaque Plastic Body



AP717

- **1 Yr Ltd Warranty**

Part #	Description	Price
07160717	AP717 Disposable Ice Maker Filter	54.00

AP-430 Hot Water System Protector
Scaling & Corrosion Inhibitor

- 6 GPM Flow
- Cartridge Included



AP-431 AP-430

Part #	Description	Price
07161960	AP-430 Hot Water System Protector	119.90
07161965	AP-431 Scale/Corrosion Cartridge 6 GPM	58.58



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AP-DWS1000 Drinking Water System
Dirt/Rust/Taste/Odor/Chemicals/Lead

Two Stage Filtration:

- 5 Micron Filtration Reduces Lead, Chlorine, Bad Tastes and Odors
- 1 Micron Filtration Reduces Taste/Odor, Chlorine, Chemicals Pesticides, VOC's, and Cysts
- Automatic Shut-off Meter
- Includes Faucet & Mtg Hdwr
- 1/2 GPM Flow



- **2 Yr Ltd Warranty**

Part #	Description	Price
07161000	AP-DWS1000 Undersink Dual Filter Sys Includes AP-DW80 & AP-DW90 Cartridges	549.90
07161080	AP-DW80/90 Dual Cartridge Replacement includes: AP-DW80 Carbon Block-Modified AP-DW90 Carbon Block-Extruded	199.90

AP-RO5500 Reverse Osmosis System
Dirt/Rust/Taste/Odor Heavy
Metals/Dissolved Salts
Chemicals/Harmful Cysts

Four Stage Purification:

- 5 Micron Dirt/Rust Filtration
- Activated Carbon Pre-Filter
- Reverse Osmosis
- Final Activated Carbon Polishing Filter
- Removes 90-95% of practically all contaminants
- Advanced Automatic Shutoff
- Includes Long Reach Faucet & Mtg Hdwr
- 1/2 GPM Flow



AP-5527

- **1 Yr Ltd Warranty**

Part #	Description	Price
07161950	AP-RO5500 Undersink R/O System Includes AP5527 Cartridges	769.90
07160130	AP5527 Cartridge for AP-RP5500	149.90

SS Housing Filter System

- 1/4" Pipe Connection
- 1/2 GPM Flow
- Triple Action Filtration & Treatment to 5 Microns
- Opaque Plastic Body
- 1 Yr Ltd Warranty



Part #	Description	Price
07161850	SST1HA SS Housing Filter System	379.90

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Cuno Whole House Filtration

- AP902 reduces sediment for up to 100,000 gallons (378,541 liters), while providing unrestricted flow with 1" NPT connections. This filter is ideal for larger homes and light commercial applications.
- AP903 reduces sediment and chlorine taste and odor for up to 100,000 gallons (378,541 liters), while providing unrestricted flow with 1" NPT connections. This filter is ideal for larger homes and light commercial applications.
- 304 stainless steel head allows for "sweat in place" installation and is a non-corrosive material.
- 1" inlet and outlet connections for easy installation and high flow rates up to 20 gpm (75.7 lpm).
- Tested and rated to 20 gpm (75.7 lpm) flow rate, meeting most residential and light commercial applications.
- Sanitary Quick Change (SQC) design an industry first for this application, allows for fast and easy cartridge change-outs without the need of a filter wrench.
- Rated for 100,000 gallons or one year of normal water conditions, reduces inconvenient and frequent cartridge change-outs.
- Manufactured from FDA CFR-21 compliant materials.
- 25 year limited warranty on stainless steel head.



Part #	Description	Price
07104250	AP902 Cuno Whole House Sed Filter	369.90
07104260	AP910R Cuno Rust/Sediment Repl. Cartridge	209.90
Part #	Description	Price
07104255	AP903 Cuno Whole House Taste & Odor Filter	439.90
07104265	AP917R Cuno Taste/Odor Repl. Cartridge	269.90

Cuno: Today & Tomorrow

CUNO is a world leader in the design, manufacture, and marketing of a comprehensive line of filtration products for the separation, clarification, and purification of fluids and gasses. Its proprietary products include uses in the healthcare, industrial, and drinking water markets. The Company operates a total of eight manufacturing facilities in the United States, Europe, Japan, Brazil, and Australia, and has sales offices throughout the world. The need for filtration is estimated at nearly \$3 billion worldwide, and filtration markets are currently growing at a rate of 7 to 8 percent annually.

A History of Ingenuity

CUNO was the surname of the company founder, Charles Cuno, who began manufacturing operations in 1912 for a variety of products, primarily for automobiles, in Meriden, Connecticut. The Company grew and developed new products for filtration that included engine and hydraulic metal filters. Filtration and separation became the primary focus during the 1960's through 1980's. From 1986 to 1996, CUNO was the Fluid Purification business of Commercial Intertech. In September of 1996, CUNO Incorporated became a publicly listed company (NASDAQ: CUNO). On August 1, 2005, CUNO was acquired by 3M. By combining the advanced materials innovation of 3M with the separation and filtration experience of CUNO, new solutions are provided to customers worldwide.