

Aqua-Pure®

Spec # _____

Quantity _____

Models:

**NWS100 / NWS100M / NWS150 / NWS150M /
NWS200 / NWS200M**

Water Softeners

Applications:

- Hard Water
- Scale Reduction

At a Glance:

- Fully automatic, high efficiency design
- Helps prevent unsightly soap curd, spotted glasses, and rings on tubs & sinks



APNWS100

Product Benefits:

- High-capacity, long life ion exchange resin helps
 - reduce scale-causing hardness mineral content in water
 - optimize water heater efficiency
 - prevent loss of water pressure caused by scale in pipes
- Motorized piston control valve offers fully automatic operation
- Rust purge turbulator scrubs clean ion exchange resin during backwash, preventing system maintenance caused by rust build-up
- Safety brine valve helps eliminate worry of brine tank overflow
- Patented salt support shelf design allows the use of any type of water treatment salt, helps prevent salt “mushing”
- Choice of time or meter initiated regeneration control helps optimize efficiency depending upon water usage and specific water conditions
- Decorative insulation jacket helps prevent messy condensation on tank
- Limited Warranty supported by factory technical support services

Limited Warranty Information:

CUNO Incorporated (“CUNO”) warrants this Aqua-Pure Water Treatment Product (“Product”) to be free from defects in material and workmanship during normal residential use for one year on the entire product. This warranty does not apply to failures that result from abuse, misuse, alteration or damage not caused by CUNO or failure to properly follow installation and use instructions. This warranty does not apply to media and/or media replacement. Please refer to the Warranty Card provided with the product for additional warranty details.



Spec # _____

Quantity _____

Model Number _____

Part Number _____

Product Specifications:

Item	NWS100* NWS100M	NWS150* NWS150M	NWS200* NWS200M
Nominal Media Volume, measured in cu. ft. (liters)	1.0 (28)	1.5 (42)	2.0 (57)
Salt Dosage, lbs (kg)			
Factory Setting	6.0 (2.72)	9.0 (4.08)	12.0 (5.49)
Maximum Setting	15.0 (6.8)	20.4 (10.88)	30.0 (13.6)
Nominal Softening Capacity, gpg ²			
At Factory Setting*	18,600	27,900	37,200
At Maximum Salt Setting*	30,000	45,000	60,000
Operating Flow Rates, gm (lpm) ³			
Continuous (no duration limit)	4.0 (15)	3.0 (23)	7.0 (26)
Service (10 minutes or less)	7.0 (26)	8.0 (30)	8.5 (32)
Pressure Loss @ Operating Flow Rates, psi (bar)			
Continuous	6.0 (0.41)	8.0 (0.55)	9.0 (0.62)
Service	10.2 (0.7)	15.0 (1.03)	15.0 (1.03)
Regeneration Flow Rates, gpm (lpm)			
Backwash ⁴	1.5 (5.7)	2.4 (9.1)	2.4 (9.1)
Brine/Rinse	0.33 (1.25)	0.33 (1.25)	0.33 (1.25)
Rapid Rinse	1.5 (5.7)	2.4 (9.1)	2.4 (9.1)
Brine Refill	0.25 (0.9)	0.5 (1.9)	0.5 (1.9)
Approx. Water used to Regenerate, gal.	65 (246)	91 (344)	93 (352)
Inlet/Outlet Pipe Size, in.	1	1	1
Mineral Tank Diameter x Height, in. (cm)	8 x 44 (20 x 112)	10 x 44 (25 x 112)	8 x 35 (20 x 89)
Overall Depth & Height w/ control Valve, in. (cm)			
Timer	15 x 51 (38 x 130)	15 x 51 (38 x 130)	15 x 61 (38 x 155)
Metered	17 x 51 (43 x 130)	17 x 51 (43 x 130)	17 x 61 (43 x 155)
Approx Salt Storage, lbs (kg)	300 (136)	300 (136)	300 (136)
Approx. Shipping Weight, lbs. (kg)			
Timer	94 (43)	126 (58)	148 (68)
Metered	95 (43)	127 (58)	149 (68)

Maximum operating temperature 100°F (38°C);
Electrical requirements 110/120v, 60 Hz;
Operating Pressure 20-100 psi;
All types of water softener salt may be used (See
Installation and Operation Manual)

NOTES:

1. Dial settings based upon this capacity. Consult with dealer before changing salt dosage setting.
2. Actual capacity may vary substantially depending on water analysis and operating conditions.
3. For satisfactory performance, indicated flow rates and duration should not be exceeded. Flow rates specified are adequate for normal residential applications. Do not use Service Flow Rates when sizing commercial applications or if treated water is to supply a geothermal heatpump, swimming pool, etc. (control dealer before selecting equipment).
4. For system to operate properly, pumping rate of well must be sufficient to backwash until at rate specified.
5. Brine unit for compact model is 12 inches square (30 cm square).

Model Information:

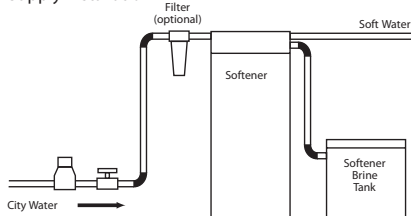
The NWS system is available in a choice of standard and compact two tank models. Both model types are available with either timerinitiated or meter-initiated regeneration. The various models differ in size, flow rate, and softening capacity. The "C" refers to the compact models; "M" refers to meter-initiated models.

"M" suffix indicates Metered System

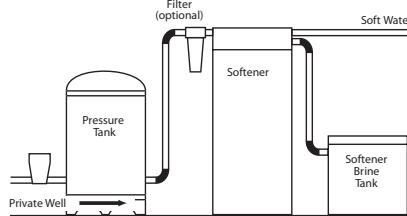
Add suffix to "A" to model numbers for 220/50 Hz electrical requirements.

Typical Installation:

Public Water Supply Installation



Private Well Installation



Diagrams shown are for quick reference only. Installation must be performed in accordance with the Installation and Use Manual accompanying the product

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LITAPNWS 0609

CUNO Incorporated
400 Research Parkway
Meriden, CT 06450 U.S.A.
Toll Free: 1.800.222.7880
Worldwide: 203.237.5541
Fax: 203.238.8701
www.aquapure.com • www.cuno.com