

Aqua-Pure®

Spec # _____

Quantity _____

Models:

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

Residential Water Softeners

Applications:

- Hard Water
- Scale Reduction

At a Glance:

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



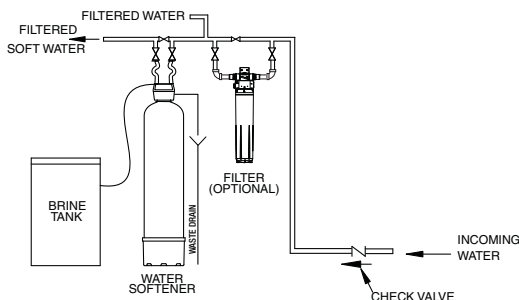
NWS100

Product Benefits:

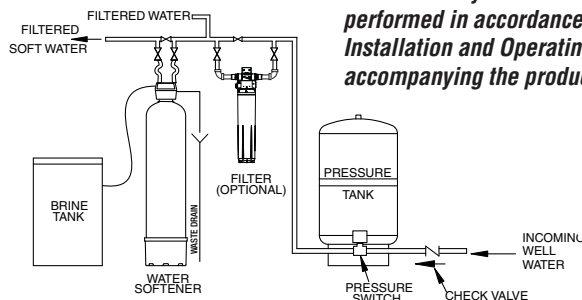
- High-capacity, long life ion exchange resin helps
 - reduce scale-causing hardness mineral content in water
 - optimize water heater efficiency
 - prevent scale build-up in pipes which can lead to loss of water pressure
- Motorized piston control valve offers fully automatic operation
- The distributor tube cleans ion exchange resin during backwash, helping to prevent rust and sediment build-up, while reducing system maintenance for fouling
- Safety brine valve helps eliminate worry of brine tank overflow
- Superior performance brine tank featuring a durable, long-lasting design which provides virtually trouble-free operation. Includes salt shelf.
- Choice of time clock or meter initiated regeneration control helps optimize efficiency depending upon water usage and specific water conditions
- Limited warranty supported by factory technical support services

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 Operating Instructions accompanying the product



Spec #

Quantity

Model Number

Part Number

Product Specifications:

Item	NWS100* NWS100M	NWS150* NWS150M	NWS200* NWS200M
Nominal Media Volume, measured in cu. ft. (cu mtr)	1.0 (0.03)	1.5 (0.05)	2.0 (0.06)
Salt Dosage, lbs (kg) ¹			
Factory Setting	6.0 (2.7)	9.0 (4.1)	12.0 (5.4)
Maximum Setting	15.0 (6.8)	24.0 (11)	24.0 (11)
Nominal Softening Capacity, gpg ²			
At Factory Setting*	18,600	27,900	37,200
At Maximum Salt Setting*	30,000	45,000	54,000
Operating Flow Rates, gm (lpm) ³			
Service (10 minutes or less)	7.0 (27)	8.0 (30)	8.5 (32)
Pressure Loss @ Service Flow Rate, psi (kPa)	15.0 (103)	15.0 (103)	15.0 (103)
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	0.5 (1.9)	0.5 (1.9)	0.5 (1.9)
Approx. Water used to Regenerate, gal. (lit)	65 (246)	90 (341)	91 (344)
Inlet/Outlet Pipe Size, in. (cm)	1.0 (2.5)	1.0 (2.5)	1.0 (2.5)
Media Tank Diameter x Height, in. (cm)	8 x 44 (20 x 112)	10 x 44 (25 x 112)	10 x 54 (25 x 137))
Overall Depth & Height w/ control Valve, in. (cm)			
Time Clock	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)	160 (73)	160 (73)	160 (73)
Approx. Shipping Weight, lbs. (kg)			
Time Clock	100 (45.4)	125 (56.7)	160 (72.6)
Metered	101 (45.8)	126 (57.1)	161 (73)

Maximum operating temperature 110°F (43°C);
Electrical requirements 110 VAC, 60 Hz;
Operating Pressure 20-125 psi;
Most types of water softener salt may be used (See
Installation and Operation Instructions)

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.
4. For system to operate properly, pumping rate of well must be sufficient to backwash unit at rate specified.

"M" suffix indicates Metered System

⚠ WARNING

To reduce the risk associated with the ingestion of contaminants:

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

CAUTION

To reduce the risk associated with property damage due to water leakage:

- Read and follow Use Instructions before installation and use of this system.

Limited Warranty:

3M Purification Inc. warrants this Product to be free from defects in material and workmanship during normal use for the warranty period set forth below. The warranty period commences from the date of purchase. This warranty does not cover failures resulting from abuse, misuse, alteration or damage not caused by 3M Purification Inc. or failure to follow installation and use instructions. No warranty is given as to the service life of any filter cartridge, membrane, or media as it will vary with local water conditions and water consumption. **3M PURIFICATION INC. MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOMER OR USAGE OF TRADE.** If the Product is found defective within the warranty period, your exclusive remedy and 3M Purification Inc.'s sole obligation shall be, at 3M Purification Inc.'s option, to replace or repair the Product or refund the purchase price of the Product. This warranty does not cover labor. **The remedy stated in this paragraph is Customer's sole remedy and 3M Purification Inc.'s exclusive obligation.**

Warranty Period: One (1) year on the entire product unit; Five (5) years on the media tank only (does not include internal component parts); Five (5) years on the control valve; and Five (5) years on salt storage container and components

For additional information, see the entire Limited Warranty located in the product Installation and Operating Instruction manual.

Limitation of Liability: 3M Purification Inc. will not be liable for any loss or damage arising from this 3M Purification Inc. product, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability. Some states and countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.



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