

# WATER SOFTENER



**Aqua-Pure**<sup>®</sup>  
**WATER FILTERS**  
*Clearly Great Water*

- Fully automatic
  - high-efficiency
  - design

Model:

**NWS Series**

**NWSC Series**

- Prevents unsightly
  - soap curd, spotted
  - glasses, and rings
  - on tub & sinks

Application:

**Hard Water**

Made from **FDA\***  
 CFR-21 Compliant  
 Materials  
 \* Food and Drug  
 Administration of USA



Model(s) NWS075-200 series Tested and Certified by NSF International against ANSI/NSF Std. 44 for hardness reduction. Certification includes material safety, audits, and periodic re-evaluations.

**NWS100**

**NWSC100**



## Features:

## Benefits:

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>▶ High-capacity, long life ion exchange resin. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></li> <li>▶ Motorized piston control valve. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></li> <li>▶ Rust purge turbulator. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></li> <li>▶ Safety brine valve. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></li> <li>▶ Salt support shelf. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></li> <li>▶ Choice of timer or meter initiated regeneration control. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></li> <li>▶ Decorative insulation jacket. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></li> <li>▶ One Year Limited Warranty. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></li> </ul> | <ul style="list-style-type: none"> <li>▶ Removes scale causing hardness minerals from water.</li> <li>▶ Optimizes water heater efficiency.</li> <li>▶ Prevents loss of water pressure caused by scale in pipes.</li> <li>▶ Fully automatic operation.</li> <li>▶ Cleans resin more efficiently for carefree operation. <input type="checkbox"/> <input type="checkbox"/></li> <li>▶ Eliminates worry of brine tank overflow.</li> <li>▶ Allows use of any type of salt. Prevents salt "mushing".</li> <li>▶ Optimal efficiency depending upon water usage and specific water conditions.</li> <li>▶ Thick insulation prevents messy condensation on tank.</li> <li>▶ Guaranteed system design and long-term factory support and service.</li> </ul> |
|--|---|

**The Choice of the Professional Plumber**

# Specifications

Item	NWS075* NWS075M	NWS100* NWS100M	NWS150* NWS150M	NWS200* NWS200M	NWSC075* NWSC075M	NWSC100* NWSC100M
<b>System Style</b>	<b>Two Tank</b>				<b>Compact</b>	
Nominal Media Volume, measured in cu. ft. (liters)	0.75 (21)	1.0 (28)	1.5 (42)	2.0 (57)	0.75 (21)	1.0 (28)
Salt Dosage, lbs. (kg) <sup>1</sup> Factory Setting Maximum Setting	6.0 (2.72) 12.0 (5.44)	6.0 (2.72) 15.0 (6.8)	9.0 (4.08) 20.4 (10.88)	12.0 (5.49) 30.0 (13.6)	6.0 (2.72) 12.0 (5.44)	6.0 (2.8) 15.0 (6.8)
Nominal Softening Capacity, gpg <sup>2</sup> At Factory Setting* At Maximum setting*	21,450 22,500	18,600 30,000	27,900 45,000	37,200 60,000	21,450 22,500	18,600 30,000
Operating Flow Rates, gpm (lpm)* Continuous (no duration limit) Service (10 minutes or less)	3.0 (11) 6.0 (23)	4.0 (15) 7.0 (26)	3.0 (23) 8.0 (30)	7.0 (26) 8.5 (32)	3.0 (11) 6.0 (23)	4.0 (15) 7.0 (26)
Pressure Loss @ Operating Flow Rates, psi (bar) Continuous Service	6.0 (.41) 9.0 (.62)	6.0 (.41) 10.2 (.7)	8.0 (.55) 15.0 (1.03)	9.0 (.62) 15.0 (1.03)	6.0 (.41) 9.0 (.62)	6.0 (.41) 10.2 (.7)
Regeneration Flow Rates, gpm (lpm) Backwash* Brine /Rinse Rapid Rinse Brine Refill Approx. Water Used to Regenerate, gal. (liters)	1.2 (4.5) 0.26 (.98) 1.2 (0.9) 0.25 (0.9) 50 (189)	1.5 (5.7) 0.33 (1.25) 1.5 (5.7) 0.25 (0.9) 65 (246)	2.4 (9.1) 0.33 (1.25) 2.4 (9.1) 0.5 (1.9) 91 (344)	2.4 (9.1) 0.33 (1.25) 2.4 (9.1) 0.5 (1.9) 93 (352)	1.5 (5.7) 1.5 (5.7) 1.5 (5.7) 0.25 (0.9) 50 (189)	2.0 (7.6) 0.33 (1.25) 2.0 (7.6) 0.25 (0.9) 6 (248)
Inlet/Outlet Pipe, Size, inches	1	1	1	1	1	1
Mineral Tank Diameter x Height, in. (cm)	7 x 44 (18 x 112)	8 x 44 (20 x 112)	10 x 44 (25 x 112)	10 x 54 (25 x 137)	8 x 35 (20 x 89)	9 x 35 (23 x 89)
Overall Depth & Height w/Control Valve, in. (cm) Timer Metered	15 x 51 (38 x 130) 17 x 51 (43 x 130)	15 x 51 (38 x 130) 17 x 51 (43 x 130)	15 x 51 (38 x 130) 17 x 51 (43 x 130)	15 x 61 (38 x 155) 17 x 61 (43 x 155)	15 x 42 (38 x 107) 17 x 42 (43 x 107)	15 x 42 (38 x 107) 17 x 42 (43 x 107)
Brine Tank Diameter x Height, in (cm)	18 x 33 (46 x 84)	18 x 33 (46 x 84)	18 x 33 (46 x 84)	18 x 33 (46 x 84)	12 x 36 <sup>5</sup> (30 x 91)	12 x 36 <sup>5</sup> (30 x 91)
Approx. Salt Storage, lbs (kg)	300 (136)	300 (136)	300 (136)	300 (136)	125 (57)	125 (57)
Approx. Shipping Weight, lbs (kg) Timer Metered	79 (36) 80 (36)	94 (43) 95 (43)	126 (58) 127 (58)	148 (68) 149 (68)	79 (36) 85 (39)	94 (43) 100 (45)

Maximum operating temperature 100°F (38°C); Electrical requirements 110/120v, 60Hz; Operating Pressure 20-125 psi; All types water softener salt may be used (see MAINTENANCE).

**Notes:**

- Dial settings based upon this capacity. Consult with dealer before changing salt dosage settings.
- Actual capacity may vary substantially depending on water analysis and operating conditions.
- 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. (contact dealer before selecting equipment).
- For systems to operate properly, pumping rate of well must sufficient to backwash unit at rate specified.
- Brine unit for compact model is 12 inches square (30cm ssquare).

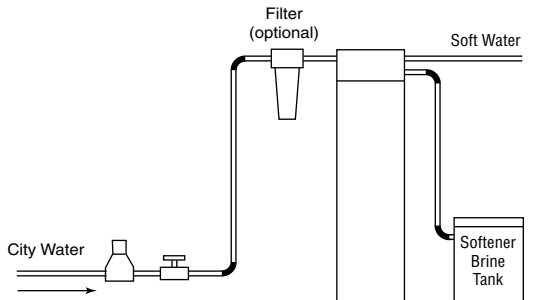
"M" suffix indicates metered system.

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

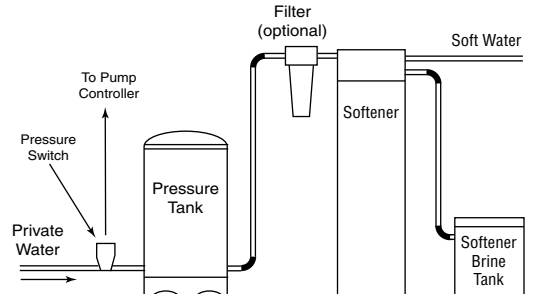
**Model Information:**

The NWS system is available in a choice of standard and compact two tank models. Both model types are available with either timer-initiated 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.

**Public Water Supply Installation**



**Private Well Installation**



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