



WATER SOFTENER

Models:

**AWS100M, AWS150M, AWS200M,
AWS250M, AWS300M**

Application:

Hard Water



AWS150M

- WQA certified in accordance with NSF/ANSI STD. 44
- Meets California efficiency rating (4,000 grains/lb of salt)
- Fully automatic, high efficiency design
- Reduces scale, unsightly soap curd, spotted glasses, and rings on tubs and sinks



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

Features:

- ▶ High-capacity, long life ion exchange resin
- ▶ Electronic metered automatic control valve
- ▶ Patented Cyclone distributor
- ▶ Safety brine valve
- ▶ Patented multi-level salt support shelf
- ▶ Decorative insulation jacket
- ▶ Five Year Limited Warranty
- ▶ Patented mineral tank with Uniflex connections

Benefits:

- ▶ Removes scale causing hardness minerals from water, optimizes water heater efficiency, and prevents loss of water pressure caused by scale in pipes
- ▶ Fully automatic operation; monitors water use and regenerates only when necessary, minimizing energy use, water waste, and salt consumption
- ▶ Scrubs ion exchange resin clean during backwash, maintaining maximum resin and system performance
- ▶ Reduces worry of brine tank overflow
- ▶ Allows use of any type of salt; prevents salt “mushing”; keeps dirt and debris away from brine
- ▶ Thick insulation helps prevent messy condensation on tank
- ▶ Guaranteed system design and long-term factory support and service
- ▶ Allows tank to be easily removed from control valve for easy cleaning when needed

May be covered by one or more of the following patents: 5,584,411; 5,699,930; 5,890,750; 5,951,855; 6,379,630

The Choice of the Professional Plumber™

Specifications

Category	MODEL				
	AWS100M	AWS150M	AWS200M	AWS250M	AWS300M
Size (cu. ft. of resin)	1	1.5	2	2.5	3
Grain Capacity (see Note 2)					
Maximum Capacity	29,450	44,500	59,300	71,600	89,000
Factory Setting	15,100	22,000	28,860	31,000	44,100
Salt Dosage - lbs. (kg)					
Maximum Capacity	15 (6.8)	22.5 (10.2)	30 (13.6)	30 (13.6)	45 (20.4)
Factory Setting	3.5 (1.6)	5 (2.3)	6.5 (3.0)	6.5 (3.0)	10 (4.5)
Flow Rates - gpm (lpm) (see Note 3)					
Flow Rate @ 15psid*	11.2 (42.4)	14 (53.0)	12.7 (48)	14.0 (53)	17 (64.4)
Flow Rate @ 25 psid*	15.75 (59.6)	18.6 (70.4)	17 (64.4)	20 (75.7)	22.2 (84)
Service Flow	7.0 (26.5)	8.0 (30.3)	8.5 (32.2)	10 (37.9)	16 (60.6)
Backwash Flow (see Note 4)	1.6 (6.1)	2.5 (9.5)	2.5 (9.5)	2.5 (9.5)	4.8 (18.2)

* Recommended flow rate for maximum system effectiveness.

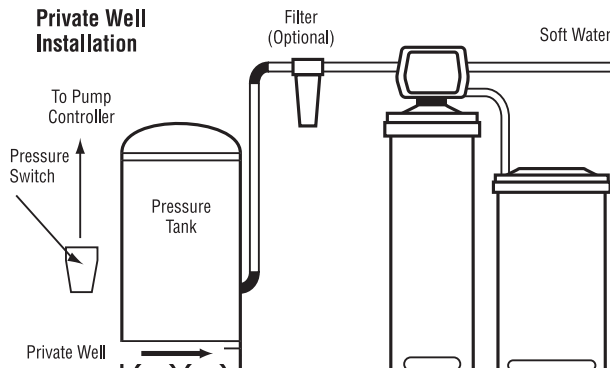
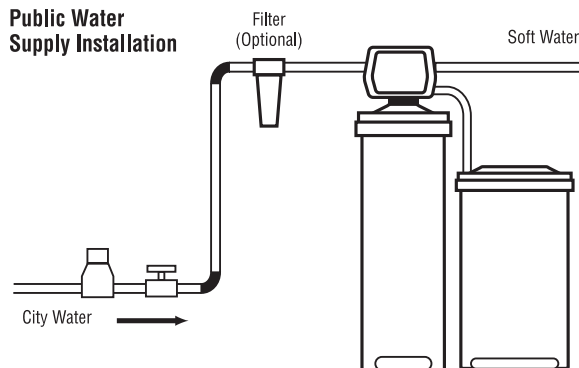
Physical Properties					
Inlet/Outlet Pipe Size - dia in inches	1"	1"	1"	1"	1.25"
Media Tank Dims w/Valve - dia x hgt	8 x 53" (20 x 135 cm)	10 x 53" (25 x 135 cm)	10 x 63" (25 x 160 cm)	12 x 54" (30.5 x 137 cm)	14 x 73" (36 x 185 cm)
Brine Tank	Square Tank			Round Tank	
	15 x 15 x 34" (38 x 38 x 86 cm)			18 x 33" (46 x 84 cm)	
Salt Storage Capacity - lbs (kg)	160 (72.6)	160 (72.6)	160 (72.6)	300 (136.1)	300 (136.1)
Approx. Ship Weight - lbs (kg)	100 (45.4)	125 (56.7)	150 (68)	250 (93)	300 (136.1)

Maximum operating temperature - 100°F (38°C); Electrical requirements 110/120V, 60Hz; Operating pressure 20-125 psi (138-862 kPa); All types of water softener salt may be used.

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, flow rates and duration should not be exceeded (review operation manual for details). 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 heat pump, swimming pool, etc. (contact dealer before selecting equipment).
4. For systems to operate properly, pumping rate of well must be sufficient to backwash unit of rate specified.

Recommended Optional Sediment Prefilters			
For Use With	Housing	Cartridge for Public Water	Cartridge for Private Well
AWS100M AWS150M AWS200M AWS250M AWS300M	AP802	AP810-2 (5 Micron)	AP811-2 (25 Micron)



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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