



EXPERT SERIES SOFTENERS



Creating great water with the most advanced technology

You may not be thinking about the water used during your daily routines, but over time, hardness minerals can make a big impact on your home and families. Calcium build up on your fixtures, dishes, and inside your appliances can effect both their beauty and performance. Hard water will also increase soap scum and dry out your skin and hair.

Our A. O. Smith® Expert water softener line uses the latest technology and features available to provide your entire home with softened, high quality water today's modern homes need. Its high capacity resin media can handle even the toughest hardness situations effectively and efficiently. With the innovative chlorine generator as a standard addition to the system, any A. O. Smith Expert series model will create its own chlorine to ensure the your equipment stays clean with every regeneration.

Paired with our patented Water Efficient Technology®, the A. O. Smith Expert water softeners can offer the most efficient system on the market today. All of our equipment is designed to be environmentally-friendly while safeguarding your household plumbing, appliances, skin, hair, and laundry.

Efficiency is in the details.

Water Efficient Technology (W.E.T.) is a breakthrough in water treatment. W.E.T. is a series of patented features designed to reduce the amount of water and salt used.

- Saves Water
- Reduces Salt Used

(Save up to 50% during regenerations)



A. O. SMITH EXPERT SERIES SOFTENERS

1 Exclusive Technology

- Deep cleaning regeneration only when necessary
- Exclusive features insures consistent water quality
- Vacation Mode to prevent unnecessary regenerations
- Only one internal moving part for easy maintenance
- Battery back-up
- **Equipped with W.E.T.**
 - Proportional Brining: uses less salt (Available on Upflow Units Only)
 - Proportional Regeneration: uses less water
 - Alternate Regeneration: keeps the system running at peak performance
 - Salt Monitor: triggers alarm when salt levels are low
 - Savings History Screen: shows how much it saves



Regeneration Direction for Downflow Units =

Regeneration Direction for Upflow Units =



2 Patented Chlorine Generator

- Ability to self-clean unit
- Monitors every cleaning

3 High-Performance Resin

- Powerful and durable media
- Reduces the minerals that cause hard water
- Undergoes rigorous quality control testing

4 Quartz Underbedding

- Delivers high and consistent flow rates
- Provides accurate and efficient cleaning process

5 Low-Maintenance Brine Tank

- Built-in safety float
- Heavy duty, corrosion-free material
- Fills with soft water which reduces cleaning
- Dry salt storage



Every component, feature, and innovation of our A. O. Smith Precision Series softeners has been designed to bring the most efficient, highest quality water to you and your family. A. O. Smith Precision models are certified for compliance with NSF/ANSI 44.*

MADE IN THE USA

MODEL		AOE-844(U)	AOE-948(U)	AOE-1044(U)	AOE-1054(U)	AOE-1252(U)	AOE-1354(U)
Rated Softener Capacity:* (Grains/Lbs. Salt)	Minimum	13,700 @ 3.4	18,200 @ 4.5	18,200 @ 4.5	27,600 @ 7.0	36,400 @ 9.0	45,800 @ 11.5
	Medium	16,800 @ 6.0	23,500 @ 9.0	23,500 @ 9.0	36,700 @ 15.0	47,000 @ 18.0	53,900 @ 18.0
	Maximum	18,800 @ 8.0	28,000 @ 15.0	28,000 @ 15.0	42,000 @ 22.5	56,100 @ 30.0	69,800 @ 37.0
Efficiency at 1 lb Salt Setting (Grains/Lbs Salt)		4,040/1	4,040/1	4,040/1	4,040/1	4,040/1	4,040/1
Max. Service Flow Rate (GPM)		11.7	13.1	16.0	13.3	16.4	17.1
Max. Pressure Loss at Max. Service (PSI)		15.0	15.0	15.0	15.0	15.0	15.0
Min. to Max. Working Pressure (PSI)		30-100	30-100	30-100	30-100	30-100	30-100
Min. to Max. Operating Temperature (°F)		33-100	33-100	33-100	33-100	33-100	33-100
Max. Flow to Drain During Regeneration (GPM)		1.3	1.7	2.2	2.2	3.2	3.2
Amount of High Capacity Cat-ion Resin (Cu. Ft.)		.75	1.0	1.0	1.5	2.0	2.5
Electrical Requirements (volts-hertz)		110-50/60	110-50/60	110-50/60	110-50/60	110-50/60	110-50/60
Pipe Size		1"	1"	1"	1"	1"	1"
Total Dimensions:	Media Tank and Valve	8"W x 52"H	9"W x 56"H	10"W x 52"H	10"W x 62"H	12"W x 60"H	13"W x 62"H
	Brine Tank	18"W x 33"H	18"W x 33"H	18"W x 33"H	18"W x 33"H	18"W x 40"H	18"W x 40"H

All water softeners listed are set at "minimum salting" from the factory. Upflow units are indicated by a "U" after the model number. i.e. AOE-1054U. *Upflow units are not certified models.

Your local water treatment professional:

