

Water Softener

1" Porting, High-Efficiency, WiFi Monitoring

The 489UF with Aqua Alert[®] combines high-efficiency water softening with the ability to monitor and control your softener from your phone. Third-party certified to provide luxuriously soft water, enjoy advanced features while using less salt and water.

KEY FEATURES

Aqua Alert[®]: Enjoy full control from the convenience of your phone with smart features like salt refill reminders, leak alert, and salt and water tracking. Optional leak alarm and remote water shut off give you complete control and peace of mind.

Upflow Regeneration: Saves salt by preserving the unused portion of the softening bed from unnecessary ion exchange.

Precision Brining: Calculates the exact amount of brine required to regenerate, using up to 30% less salt.

Automatic System Refresh: If no water is used for seven (7) days, the system will perform an automatic refresh to prevent bacteria growth.

Backwash Frequency Preset: Save up to 2,000 gallons of water per year by skipping up to ten (10) backwash cycles on clean municipal water supply.

Soft Water Brine Tank Refill: Keeps tank & injectors clean.

Soft Water Recharge: If capacity goes below 3%, an automatic 15-minute recharge restores softening until the next regeneration.

Tank Features: Brine tank with safety float, air check and injection molded brine grid to reduce bridging. Moisture wicking neoprene tank jacket included with all pressure tanks.

VALVE FEATURES

True 1" Porting
For high-flow applications.

1" 90-Degree Elbows
Included for easy installation.

Unique Bypass Design
Integrated turbine meter saves space, eliminates connections and is more durable.

Timesaving Quick Connect Fittings
Quick connect fittings on bypass, drain line (10' included), brine line and power cord. Bypass included.

Aqua Alert[®] Salt Sensor
Ensures your system never runs out of salt.

Four Line Touch Pad LCD Display
No-touch rotating information display. Just set the time, date, and hardness.

48-Hour Programming Memory
Automatic programming restore for up to 48 hours during power loss.

Aqua Alert[®] Enabled
Ensures your system is performing properly with both in-app reminders and e-mail notifications.

Optional Leak Alarm
A physical leak alarm placed near the floor drain will sound if a leak is detected. A Leak Alarm message will be sent to your e-mail.



AQUA ALERT[®]
LEAK ALERT / SALT SENSOR /
PERFORMANCE
MONITORING



IAPMO R&T Certified to
NSF/ANSI 44, 372 and
CSA B483.1.



Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

MODEL NUMBER	NVO489UF-100 WF	NVO489UF-150 WF	NVO489UF-200 WF	NVO489UF-300* WF
Item Number	15020832	15020833	15020834	15020835
SYSTEM CAPACITY GRAINS				
@ 12 lbs / Cubic Feet	30,000	45,000	60,000	90,000
@ 6 lbs / Cubic Feet (Factory Setting)	25,000	37,500	50,000	75,000
@ 3 lbs / Cubic Feet	15,000	22,500	30,000	45,000
REGENERATION WATER USAGE (GALLONS)				
Clean Water (Factory Setting)	43.4 gal	62.7 gal	87.1 gal	139.2 gal
Problem Water	64.3 gal	90.3 gal	124.6 gal	196.2 gal
Resin Quantity (Cubic Feet)	1.0 ft ³	1.5 ft ³	2.0 ft ³	3.0 ft ³
Pressure Tank Size (Inches)	9 x 48	10 x 54	12 x 52	14 x 65
Media Loaded	Yes	Yes	Yes	No
Salt Storage Capacity	270 lbs	270 lbs	350 lbs	420 lbs
Flow Rate @ 15 psi Pressure Drop	11.0 US gpm	11.2 US gpm	12.2 US gpm	12.6 US gpm
Flow Rate @ 25 psi Pressure Drop	15.0 US gpm	15.1 US gpm	16.2 US gpm	16.6 US gpm
Backwash Flow Rate	2.0 US gpm	2.5 US gpm	3.5 US gpm	5.0 US gpm
Shipping Weight	102 lbs	134 lbs	169 lbs	279 lbs
Regeneration Type	UPFLOW (COUNTER CURRENT)			
Plumbing Connections	INCLUDES 1" 90° NPT ELBOWS			
Resin Type	AQUAFINE® 8% CATION EXCHANGE RESIN			
Electrical Requirements	INPUT 120V 60 Hz - OUTPUT 12V 650mA			
Water Temperature Limits	MIN 40° - MAX 110° F (4° - 43° C)			
Water Pressure Limits	MIN 30 - MAX 125 PSI (207 - 862 KPA)			

*DUE TO WEIGHT, THESE SYSTEMS COME UNLOADED. MEDIA COMES PREMEASURED. ALL ABOVE ASSEMBLED UNITS SUPPLIED WITH BRINE TANK SAFETY FLOAT AND AIR CHECK.

DIMENSIONS

NVO489UF with Aqua Alert®	100	150	200	300
TANK/VALVE A x B (inches)	56 x 9	62 x 10	60 x 12	74 x 14
BRINE TANK C x D (inches)	19 x 35	19 x 35	21 x 38	23 x 41



QUICK LINKS



Homeowner's Manual



Installation Guide



Maintenance Guide



Trouble Shooting Guide



Parts Breakdown



Programming Guide



Warranty Sheet



Aqua Alert Manual

