WARRANTY 7yr WARRANTY
CONTROL VALVE

WARRANTY LIFETIME WARRANTY
PRESSURE TANK

Water Softener & Carbon Filter with WiFi

High-Flow, WiFi Monitoring, Reduces Bad Taste & Odor

The ideal solution for large households on municipal water, the 489UFHTO with Aqua Alert® combines high-efficiency, high-flow water softening with whole home carbon filtration and the ability to control your system from your phone. Third-party certified to provide soft water and reduce bad taste and odor caused by chlorine and chloramines.

KEY FEATURES

Aqua Alert®: Enjoy full control from the convenience of your phone with smart features like reminders to add salt, and real-time salt and water tracking. Optional leak alarm and remote water shut off give you complete control and peace of mind.

Whole Home Chlorine Reduction: IAPMO certified for chlorine reduction. AquaFine® catalytic carbon reduces chlorine, chloramines and chlorine by-products such as chloroform and other trihalomethanes (THMs).

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.

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 on all pressure tanks.

App screen
System 1
Salt Remaining
75%
- GAL Remaining capacity
- GPM Peak flow rate
- GPM Days to regen.
- GPM Current flow rate
- DATE Last regen. date
in service
Water Shut Off | Regeneration Function | Service Reminder (Days)
Home | Record

WiFi

AQUA ALERT®

97% CHLORINE REMOVAL FOR OVER 1,100,000 GALLONS*

*Based on model: NVO489UFHTO-150.

LEAD FREE UPC C ®	IAPMO R&T Certified to NSF/ANSI 44, 372 and CSA B483.1.
LEAD FREE UPC C ®	IAPMO R&T Certified to NSF/ANSI 372 and 42 for Chlorine Reduction

VALVE FEATURES

True 1" Porting For high-flow applications.

1" 90-Degree Elbows Included for easy installation.

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

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

Aqua Alert® Enabled Ensures your system is performing properly with push notifications to your phone and e-mail.

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

TankMate™ Unique design sends water through both the carbon and resin tanks in a single pass.

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 phone and e-mail.

NSF® COMPONENT

Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

MODEL NUMBER	NVO489UFHTO-100 WF	NVO489UFHTO-150 WF	NVO489UFHTO-200 WF	NVO489UFHTO-300 WF
Item Number	15020670-1	15020671-1	15020672-1	15020673-1
MODEL NUMBER	NVO489UFHTOK-100 WF	NVO489UFHTOK-150 WF	NVO489UFHTOK-200 WF	TOK models only available in USA
Item Number	15020674-1	15020675-1	15020676-1	
Salt Used Per Regeneration	6.0 lbs	9.0 lbs	12.0 lbs	18.0 lbs
Water Used Per Regeneration	86.4 gal	148.0 gal	162.4 gal	224.8 gal
Hardness Removal (Grains)	21,600	32,400	43,200	64,800
Tank #1 Carbon Quantity (Cubic Feet)	1.0 ft^3	1.50 ft^3	2.0 ft^3	3.0 ft^3
Tank #2 Resin Quantity (Cubic Feet)	1.0 ft^3	1.50 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	7.2 US gpm	7.4 US gpm	9.0 US gpm	9.2 US gpm
Flow Rate @ 25 psi Pressure Drop	10.0 US gpm	10.1 US gpm	11.9 US gpm	12.1 US gpm
Backwash Flow Rate	5.0 US gpm	5.0 US gpm	7.0 US gpm	10.0 US gpm
Shipping Weight	167 lbs	218 lbs	278 lbs	425 lbs
Regeneration Type	UPFLOW (COUNTER CURRENT)			
Plumbing Connections	INCLUDES 1" 90° NPT ELBOWS			
Resin Type	AQUAFINE® 8% CATION EXCHANGE RESIN			
Carbon Type	HTO MODELS - AQUAFINE® CATALYTIC CARBON HTOK MODELS - AQUAFINE® CATALYTIC CARBON WITH KDF85			
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)			

QUICK LINKS

- Homeowner's Manual
- Installation Guide
- Maintenance Guide
- Trouble Shooting Guide
- Parts Breakdown
- Programming Guide
- Warranty Sheet
- Aqua Alert Manual

DIMENSIONS

NVO489UFHTO	100	150	200	300
TANK/VALVE A x B (inches)	56.25 x 22.75	62.25 x 23.25	60.5 x 24.5	77.0 x 33.5
BRINE TANK C x D (inches)	18.1 x 34.5	18.1 x 34.5	20.3 x 37.4	23.0 x 40.5

AQUA ALERT® WIFI Optional Accessories	
ITEM NUMBER	DESCRIPTION
60010380	KIT, LEAK SENSOR & 1" ELECTRIC BALL VALVE
60010378	LEAK SENSOR, WIFI
60010379	1" ELECTRIC BALL VALVE, WIFI

NOVO PROFESSIONAL WATER SYSTEMS

A Division of Canature WaterGroup

MEMBER Water Quality ASSOCIATION

CWQA CANADIAN WATER QUALITY ASSOCIATION

CIPH Canadian Institute of Plumbing & Heating

PHCC PLUMBING-HEATING-COOLING CONTRACTORS ASSOCIATION Best People. Best Practices.

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DESIGNED, ENGINEERED & ASSEMBLED IN NORTH AMERICA

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