NOVO®
PROFESSIONAL WATER SYSTEMS

NVO485UFHTO
SPECIFICATION SHEET

7 yr WARRANTY — CONTROL VALVE

LIFETIME WARRANTY — PRESSURE TANK



Water Softener & Whole Home Carbon Filter

High-Flow, High-Efficiency, Reduces Bad Taste & Odor

Ideal for households on municipal water, the 485UFHTO combines high-efficiency, high-flow water softening with whole home carbon filtration. Third-party certified to provide soft water while reducing bad taste and odor caused by chlorine and chloramines.

KEY FEATURES

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.

VALVE FEATURES



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

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

Backlit LCD Display
"No Touch" display rotates key information including last regeneration date and volume remaining.

User-Friendly Programming Just set the time, date, number of people and hardness.

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.

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

*Based on model: NVO485UFHTO-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**

NSF® COMPONENT

Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

MODEL NUMBER	NVO485UFHTO-100	NVO485UFHTO-150	NVO485UFHTO-200	NVO485UFHTO-300
Item Number	15020484-1	15020485-1	15020486-1	15020487-1
MODEL NUMBER	NVO485UFHTOK-100	NVO485UFHTOK-150	NVO485UFHTOK-200	TOK models available in the USA only.
Item Number	15024069-1	15024070-1	15024071-1	
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)	25,000	37,500	50,000	75,000
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	4.0 US gpm	5.0 US gpm	7.0 US gpm	11.0 US gpm
Shipping Weight	167 lbs	218 lbs	278 lbs	425 lbs
Regeneration Type	UPFLOW (COUNTER CURRENT)			
Plumbing Connections	INCLUDES 3/4" 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)			

DIMENSIONS

NVO 489UFHTO	100	150	200	300
TANK/VALVE A x B (inches)	56.25 x 22.75	62.5 x 23.25	60.75 x 24.5	74.5 x 33.25
BRINE TANK C x D (inches)	18.1 x 34.7	18.1 x 34.7	20.3 x 37.4	23.0 x 40.5



QUICK LINKS

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

NOVO® PROFESSIONAL WATER SYSTEMS | A Division of Canature WaterGroup | MEMBER Water Quality Association | CWQA | CIPH Canadian Institute of Plumbing & Heating | PHCC Plumbing-Heating-Cooling Contractors Association Best People. Best Practices.

Toll Free: 877-288-9888 | **www.novowater.com** | Regina, SK • Cambridge, ON • Whitestown, IN • Houston, TX • Phoenix, AZ • Guadalajara, MX

DESIGNED, ENGINEERED & ASSEMBLED IN NORTH AMERICA

80155501 REV 2 2025-03-26 Download only