



CONTROL
VALVE



PRESSURE
TANK



**IDEAL FOR HARD
WATER APPLICATIONS
WITH LOW PH**

Two Tank Water Conditioning System

Neutralize Corrosiveness & Remove Hardness

When acidic water comes into contact with the calcite media in the first tank, the media gradually dissolves, raising the pH and reducing the risk of copper, lead, and other metal leaching from plumbing systems. As the calcite neutralizes the water, it also increases the hardness. To counteract this, the second tank contains a cation exchange resin that effectively removes hardness, leaving you with pH-balanced, luxuriously soft water.

KEY FEATURES

Economical: Two-tank system that uses one control valve. Simple installation and lower upfront cost.

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.

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 neutralizing and resin tanks in a single pass.



COMPONENT

Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

MODEL NUMBER	NVO485UFHNUDH-150
Item Number	15020499-1
SERVICE FLOW RATES	
Normal	5.0 US gpm
Peak	8.0 US gpm
Backwash Flow Rate	5.0 US gpm
Filter Media Volume (Cubic Feet)	1.5 ft³
Resin Quantity (Cubic Feet)	1.5 ft³
Pressure Tank Size (Inches)	10 x 54
Tank Jacket / Media Loaded	No
Brine Tank Size (Inches)	18.1 x 34.5
Salt Storage Capacity	240 lbs
Shipping Weight	311 lbs
Regeneration Type	UPFLOW (COUNTER CURRENT)
Plumbing Connections	INCLUDES 3/4" 90° NPT ELBOWS
Resin Type	AQUAFINE® 8% HIGH CAPACITY ION EXCHANGE RESIN
pH Adjustment Media	CANATURE CALCITE
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

NVO485UFHNUDH	150
TANK/VALVE A x B (inches)	66.0 x 24.0
BRINE TANK C x D (inches)	18.1 x 34.5



QUICK LINKS



Homeowner's Manual



Installation Guide



Maintenance Guide



Trouble Shooting Guide



Parts Breakdown



Programming Guide



Warranty Sheet

