



CONTROL VALVE



PRESSURE TANK



## High-Hardness, High-Performance, Advanced Technology

Designed to soften extremely hard water (>75 gpg), the 485UFHEDP's dual-tank system offers a more cost-effective solution than larger single-tank systems. The first resin tank significantly reduces water hardness and the second tank acts as a 'polisher' to prevent hard water slippage. The HEDP's high-efficiency technology uses less salt while supplying consistent soft water.

### KEY FEATURES

**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 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<sup>®</sup>** Unique design sends water through both the carbon and resin tanks in a single pass.



**PERFECT FOR  
HIGH-HARDNESS  
APPLICATIONS  
(>75 GPG)**

# Technical Specifications

## PROFESSIONALLY ENGINEERED FOR PERFORMANCE

MODEL NUMBER	NVO485UFHEDP-100	NVO485UFHEDP-150	NVO485UFHEDP-200	NVO485UFHEDP-250
<b>Item Number</b>	<b>15020495-1</b>	<b>15020496-1</b>	<b>15020497-1</b>	<b>15020498-1</b>
Salt Used Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	30.0 lbs
Water Used Per Regeneration	100.0 gal	175.0 gal	224.0 gal	226.0 gal
Hardness Removal (Grains)	30,000	45,000	60,000	75,000
Tank #1 Resin Quantity (Cubic Feet)	1.0 ft <sup>3</sup>	1.50 ft <sup>3</sup>	2.0 ft <sup>3</sup>	2.5 ft <sup>3</sup>
Tank #2 Resin Quantity (Cubic Feet)	1.0 ft <sup>3</sup>	1.50 ft <sup>3</sup>	2.0 ft <sup>3</sup>	2.5 ft <sup>3</sup>
Pressure Tank Size (Inches)	9 x 48	10 x 54	12 x 52	13 x 54
Media Loaded	Yes	Yes	Yes	No
Salt Storage Capacity	420 lbs	420 lbs	420 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	2.0 US gpm	2.4 US gpm	3.5 US gpm	4.0 US gpm
Shipping Weight	207 lbs	271 lbs	340 lbs	415 lbs
Regeneration Type	UPFLOW (COUNTER CURRENT)			
Plumbing Connections	INCLUDES 3/4" 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)			

## DIMENSIONS

NVO485UFHEDP	100	150	200	250
<b>TANK/VALVE</b> A x B (inches)	56.25 X 22.75	62.25 X 23.25	60.5 X 24.50	74.25 X 33.25
<b>BRINE TANK</b> C x D (inches)	23.0 x 40.5	23.0 x 40.5	23.0 x 40.5	23.0 x 40.5



### QUICK LINKS



Homeowner's Manual



Installation Guide



Maintenance Guide



Trouble Shooting Guide



Parts Breakdown



Programming Guide



Warranty Sheet

