



CONTROL
VALVE



PRESSURE
TANK



**USES UP TO
75% LESS SALT &
64% LESS WATER**

Water Softener

High-Efficiency, High-Performance, Advanced Technology

The Novo 485UF is the perfect blend of high-efficiency and high-performance. Third-party certified to provide luxuriously soft water throughout your home, you'll enjoy the added convenience of using less water and buying less salt.

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

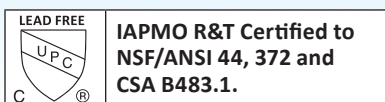
Plumbing Adapters
Comes with two 90° elbow adapters.

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 for easier, faster installations.

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.



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



Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

MODEL NUMBER	NVO485UF-075	NVO485UF-100	NVO485UF-150	NVO485UF-200	NVO485UF-300
Item Number	15020452	15020453	15020454	15020455	15020456
HIGH EFFICIENCY SETTING (OPTIONAL)					
Salt Used Per Regeneration	2.3 lbs	3.0 lbs	4.5 lbs	6.0 lbs	9.0 lbs
Water Used Per Regeneration	22.6 gal	31.6 gal	44.3 gal	60.9 gal	102.2 gal
Hardness Removal (Grains)	11,250	15,000	22,500	30,000	45,000
FACTORY SETTING (STANDARD CAPACITY)					
Salt Used Per Regeneration	4.5 lbs	6.0 lbs	9.0 lbs	12.0 lbs	18.0 lbs
Water Used Per Regeneration	34.0 gal	43.4 gal	62.7 gal	87.1 gal	139.2 gal
Hardness Removal (Grains)	18,750	25,000	37,500	50,000	75,000
HIGH CAPACITY SETTING (OPTIONAL)					
Salt Used Per Regeneration	7.5 lbs	10.0 lbs	15.0 lbs	20.0 lbs	30.0 lbs
Water Used Per Regeneration	49.6 gal	64.3 gal	90.3 gal	124.6 gal	196.2 gal
Hardness Removal (Grains)	22,500	30,000	45,000	60,000	90,000
Resin Quantity (Cubic Feet)	0.75 ft ³	1.0 ft ³	1.5 ft ³	2.0 ft ³	3.0 ft ³
Pressure Tank Size (Inches)	8 x 44	9 x 48	10 x 54	12 x 52	14 x 65
Flow Rate @ 15 psi Pressure Drop	10.4 US gpm	11.0 US gpm	11.2 US gpm	12.2 US gpm	12.6 US gpm
Flow Rate @ 25 psi Pressure Drop	14.3 US gpm	15.0 US gpm	15.1 US gpm	16.2 US gpm	16.6 US gpm
Backwash Flow Rate	1.5 US gpm	2.0 US gpm	2.4 US gpm	3.5 US gpm	5.0 US gpm
Salt Storage Capacity	270 lbs	270 lbs	270 lbs	350 lbs	420 lbs
Media Loaded	Yes	Yes	Yes	Yes	No
Shipping Weight	87 lbs	102 lbs	134 lbs	169 lbs	279 lbs
Regeneration Type	UPFLOW (COUNTER CURRENT)				
Maximum Efficiency	5,060 GRAINS / LB SALT				
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 (206 - 862 KPA)				

DIMENSIONS

NVO 485UF	75	100	150	200	300
TANK/VALVE A x B (inches)	52.25 x 8.0	56.5 x 9.0	62.5 x 10.0	60.75 x 12.0	74.5 x 14.0
BRINE TANK C x D (inches)	18.1 x 34.5	18.1 x 34.5	18.1 x 34.5	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

