



CONTROL
VALVE



PRESSURE
TANK

Water Softener

1" Porting, High-Efficiency, Compact Size

The 489UF cabinet softener offers high-efficiency, high-flow water softening in a compact, space-saving design. Third-party certified to provide luxuriously soft water, enjoy advanced features while using less salt and 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.

Cabinet Features: Cabinet comes with safety float and air check.

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.

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

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

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

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



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



Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

| MODEL NUMBER | NVO489UF-100C |
|---|--------------------------------------|
| Item Number | 15020693 |
| CAPACITY (GRAINS) | |
| @ 10 lbs/Cubic Feet | 30,000 |
| @ 6 lbs/Cubic Feet Factory Setting | 25,000 |
| @ 3 lbs/Cubic Feet | 15,000 |
| REGENERATION WATER USAGE (GALLONS) | |
| Clean Water (Factory Setting) | 48.6 gal |
| Problem Water | 69.5 gal |
| Resin Quantity (Cubic Feet) | 1.0 ft ³ |
| Media Loaded | Yes |
| Salt Storage Capacity | 225 lbs |
| Flow Rate @ 15 psi Pressure Drop | 12.0 gpm |
| Flow Rate @ 25 psi Pressure Drop | 16.0 gpm |
| Back Wash Flow Rate | 2.5 US gpm |
| Shipping Weight | 110 lbs |
| Regeneration Type | UPFLOW (COUNTER CURRENT) |
| Plumbing Connections | INCLUDES 1" 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

NVO489UF-100C

13.8" X 23.6" X 43.3"



QUICK LINKS



Homeowner's Manual



Installation Guide



Maintenance Guide



Trouble Shooting Guide



Parts Breakdown



Programming Guide



Warranty Sheet

