



CONTROL
VALVE



PRESSURE
TANK



**REMOVE COLOR
CAUSED BY
ORGANIC DECAY**

Water Filter

Tannin Removal Filter

The TAN Series system greatly improves aesthetics and prevents costly staining by using anion exchange resin to remove color caused by organic decay.

KEY FEATURES

Tannin Removal: The 485DFTAN removes 2,000 ppm to 6,000 ppm of tannins.

Maximum Tannins: 3.0 ppm (contact Customer Service for higher levels).

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

True 1" Porting
For high-flow applications.

1" 90-Degree Elbows
Included for easy installation.

Timesaving Quick Connect Fittings.
Bypass included
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.



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



Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

| MODEL NUMBER | NVO489TAN-100 | NVO489TAN-150 | NVO489TAN-200 | NVO489TAN-300 |
|----------------------------------|--|---------------------|---------------------|---------------------|
| Purolite 850 Models* | 15020794 | 15020795 | 15020796 | 15020797 |
| Purolite 860 Models* | 15020820 | 15020821 | 15020822 | 15020823 |
| FACTORY SETTINGS - HIGH CAPACITY | | | | |
| Salt Used Per Regeneration | 12.0 lbs | 18.0 lbs | 24.0 lbs | 36.0 lbs |
| Water Used Per Regeneration | 64.3 gal | 90.3 gal | 124.6 gal | 196.2 gal |
| Tannins Removal | 2,000 ppm | 3,000 ppm | 4,000 ppm | 6,000 ppm |
| Resin Quantity (Cubic Feet) | 1.0 ft ³ | 1.5 ft ³ | 2.0 ft ³ | 3.0 ft ³ |
| Tank Size | 9 x 48 | 10 x 54 | 12 x 52 | 14 x 65 |
| Media Loaded | Yes | Yes | Yes | No |
| Salt Storage Capacity | 240 lbs | 350 lbs | 350 lbs | 420 lbs |
| Recommended Service Flow Rate | 3.0 US gpm | 4.5 US gpm | 6.0 US gpm | 9.0 US gpm |
| Flow Rate @ 15 psi Pressure Drop | 11.0 US gpm | 11.2 US gpm | 12.2 US gpm | 12.6 US gpm |
| Flow Rate @ 25 psi Pressure Drop | 15.0 US gpm | 15.1 US gpm | 16.2 US gpm | 16.6 US gpm |
| Backwash Flow Rate | 2.0 US gpm | 2.4 US gpm | 3.5 US gpm | 5.0 US gpm |
| Shipping Weight | 95 lbs | 125 lbs | 155 lbs | 235 lbs |
| Regeneration Type | DOWNFLOW (CO-CURRENT) | | | |
| Maximum Tannins | 3.0 PPM (CONTACT CUSTOMER SERVICE FOR HIGHER LEVELS) | | | |
| Plumbing Connections | INCLUDES 1" 90° NPT ELBOWS | | | |
| Resin Type | Purolite® 850 OR 860 ANION 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) | | | |

* CALL CUSTOMER SERVICE TO DETERMINE CORRECT MODEL. WATER TEST RESULTS REQUIRED

DIMENSIONS

| NOVO485DFTAN | 100 | 150 | 200 | 300 |
|------------------------------|---------|---------|---------|---------|
| TANK/VALVE A x B (inches) | 56 x 9 | 62 x 10 | 60 x 12 | 74 x 14 |
| BRINE TANK C x D (inches) | 18 x 34 | 20 x 37 | 20 x 37 | 23 x 40 |



QUICK LINKS



Homeowner's Manual



Installation Guide



Maintenance Guide



Trouble Shooting Guide



Parts Breakdown



Programming Guide



Warranty Sheet

