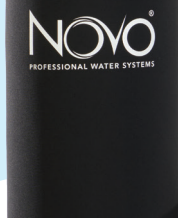




CONTROL  
VALVE



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 489DFTAN 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.

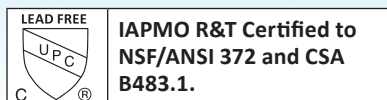
**1" 90-Degree Elbows**  
Included for easy installation.

**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.



# 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 <sup>3</sup>                                  | 1.5 ft <sup>3</sup> | 2.0 ft <sup>3</sup> | 3.0 ft <sup>3</sup> |
| 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

| NOVO489DFTAN                 | 100     | 150     | 200     | 300     |
|------------------------------|---------|---------|---------|---------|
| TANK/VALVE<br>A x B (inches) | 56 x 9  | 62 x 10 | 60 x 12 | 74 x 14 |
| BRINE TANK<br>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

