

## Water Softener

### 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 & 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.



CONTROL VALVE



PRESSURE TANK



**REMOVE COLOR CAUSED BY ORGANIC DECAY**



COMPONENT



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

# Technical Specifications

## PROFESSIONALLY ENGINEERED FOR PERFORMANCE

### QUICK LINKS



Homeowner's Manual



Installation Guide



Maintenance Guide



Trouble Shooting Guide



Parts Breakdown



Programming Guide



Warranty Sheet

MODEL NUMBER	WG189TAN-100	WG189TAN-150	WG189TAN-200	WG189TAN-300
Purolite 850 Models*	82509	82510	82511	82512
Purolite 860 Models*	82513	82514	82515	82516
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	1.5 US gpm	2.0 US gpm	3.0 US gpm	4.0 US gpm
Shipping Weight	122 lbs	155 lbs	158 lbs	244 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

WG185DFTAN	100	150	200	300
<b>TANK/VALVE</b> A x B (inches)	56.25 x 9.0	62.25 x 10.0	60.5 x 12.0	74.25 x 14.0
<b>BRINE TANK</b> C x D (inches)	18.1 x 34.5	20.3 x 37.4	20.3 x 37.4	23.0 x 40.5

