

Water Filter

Tannin Removal Filter

The TLC 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: 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 salt bridging. Optional neoprene pressure tank jacket.

VALVE FEATURES

True 1" Porting: For high-flow applications.

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

Timesaving Quick Connect Fittings: Quick connect fittings on bypass, drain line (10' included) brine line and power cord. Bypass included.



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

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

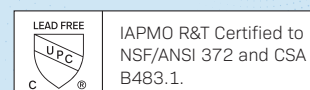
REMOVE
COLOR
CAUSED BY
ORGANIC
DECAY



CONTROL
VALVE



TANKS



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

Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

MODEL NUMBER	HT89DF-100TLC	HT89DF-150TLC	HT89DF-200TLC	HT89DF-250TLC	HT89DF-300TLC
Purolite 850 Models*	15102300	15102318	15102327	15102330	15102333
FACTORY SETTINGS - HIGH CAPACITY					
Salt Used Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	30.0 lbs	36.0 lbs
Water Used Per Regeneration	64.3 gal	90.3 gal	124.6 gal	160.8 gal	196.2 gal
Tannins Removal	2,000 ppm	3,000 ppm	4,000 ppm	5,000 ppm	6,000 ppm
Resin Quantity (Cubic Feet)	1.0 ft ³	1.5 ft ³	2.0 ft ³	2.5 ft ³	3.0 ft ³
Tank Size	9 x 48	10 x 54	12 x 52	13 x 54	14 x 65
Media Loaded	Yes	Yes	Yes	No	No
Salt Storage Capacity	240 lbs	350 lbs	350 lbs	350 lbs	420 lbs
Recommended Service Flow Rate	3.0 US gpm	4.5 US gpm	6.0 US gpm	7.5 US gpm	9.0 US gpm
Flow Rate @ 15 psi Pressure Drop	11.0 US gpm	11.2 US gpm	12.2 US gpm	12.4 US gpm	12.6 US gpm
Flow Rate @ 25 psi Pressure Drop	15.0 US gpm	15.1 US gpm	16.2 US gpm	16.4 US gpm	16.6 US gpm
Backwash Flow Rate	2.0 US gpm	2.5 US gpm	3.5 US gpm	5.0 US gpm	5.0 US gpm
Shipping Weight	95 lbs	125 lbs	155 lbs	200 lbs	235 lbs
Regeneration Type	UPFLOW (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.

Not intended for treating water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Peak flow rates are intended for intermittent use only (10 minutes or less) and are for residential applications only. Do not use peak flow rate for commercial applications or for a continuous rate when treated water supplies are geothermal heat pump, swimming pool, etc. For satisfactory operation, the pumping rate of the well system must equal or exceed indicated backwash flow rate.

Contact Customer Service or Your sales representative for application guidelines.

DIMENSIONS

HT89DF-TLC	100	150	200	250	300
TANK/VALVE A x B (inches)	57 x 9	63 x 10	61 x 12	63 x 13	75 x 14
BRINE TANK C x D (inches)	15 x 34	20 x 37	20 x 37	20 x 37	23 x 40



Homeowner's
Manual



Installation
Guide



Maintenance
Guide



Troubleshooting
Guide



Parts
Breakdown



Programming
Guide



Warranty



PROUD
MEMBERS



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