

# Hydrotech®

## Single Solution Systems For Multiple Water Problems

### Single Solution Systems For Multiple Water Problems

Many ground water supplies often have multiple problems that are not only an issue from an aesthetic standpoint but in terms of cost when pipes become clogged, fixtures stained and laundry discolored. Combination units use mixed beds of a variety of different medias to provide one solution for your water woes.

### TLC Series - Tannins, Lignin and Color

Tannins are caused by decaying organic matter which stain most materials it comes into contact with. The system uses anion exchange resin to remove color caused by organic decay - greatly improving aesthetics and preventing costly staining.

#### TLC- TANNINS, LIGNIN, COLOR (SINGLE TANK SYSTEM)

Part #	Model	Brine Tanks Type, Size, Color	Resin Tank Size & Colour	Weight (LBS)
--------	-------	-------------------------------	--------------------------	--------------

##### 89 Series 1" Down Flow

15102300	HT89DF-100TLC850	BTS-100 Black	10x54 Black	120
15102318	HT89DF-150TLC850	BTR-145 Black	12x52 Black	151
15102327	HT89DF-200TLC850	BTR-145 Black	13x54 Black	168
15102330	HT89DF-250TLC850*	BTR-145 Black	14x65 Black	208
15102333	HT89DF-300TLC850*	BTR-200 Grey	14x65 Natural	254

##### 785 Series Down Flow

15102334	HT785DF-100TLC850	BTS-100 Black	10x54 Black	
15102352	HT785DF-150TLC850	BTR-145 Black	12x52 Black	
15102361	HT785DF-200TLC850	BTR-145 Black	13x54 Black	
15102364	HT785DF-250TLC850*	BTR-145 Black	14x65 Black	
15102367	HT785DF-300TLC850*	BTR-200 Grey	14x65 Natural	

##### 565 Series

15102368	HT565-100TLC850	BTS-100 Black	10x54 Black	
15102386	HT565-150TLC850	BTR-145 Black	12x52 Black	
15102395	HT565-200TLC850	BTR-145 Black	13x54 Black	
15102398	HT565-250TLC850*	BTR-145 Black	14x65 Black	
15102401	HT565-300TLC850*	BTR-200 Grey	14x65 Natural	

##### 765 Series

15102402	HT765-100TLC850	BTS-100 Black	10x54 Black	
15102420	HT765-150TLC850	BTR-145 Black	12x52 Black	
15102429	HT765-200TLC850	BTR-145 Black	13x54 Black	
15102432	HT765-250TLC850*	BTR-145 Black	14x65 Black	
15102435	HT765-300TLC850*	BTR-200 Grey	14x65 Natural	

\*Media not loaded in mineral tank.



Clean, Clear,  
Color-Free  
Water



IAPMO R & T Certified  
Against NSF/ANSI 44 and  
CSA B483.1

## Features:

- ➔ Exclusive NSF Certified electronic control valve (systems available with Hydrotech 89, 785, 565 and 765 control valves)
- ➔ User friendly LCD display with 48 hour memory back-up
- ➔ Fully adjustable cycles allow for the most efficient settings based on the specific water quality requirements
- ➔ NSF Certified fibreglass pressure tank
- ➔ High density polyethylene salt tank
- ➔ Brine safety valve for added overflow protection
- ➔ Plastic salt grid prevents salt bridging
- ➔ Unique precision turbine meter is incorporated in system bypass valve – saving space over 4" of floor space
- ➔ Time saving quick connect fittings on brine line, drain line (with 0-ring seal) and power cord for fast and easy installations



### 89 valve

- ➔ True 1" porting for high flow rates up to 18" systems. Ideal for larger homes.
- ➔ Large Backlit LCD display screen with 4 line / 80 character touch pad screen.
- ➔ Seven Year Warranty



### 785 valve

- ➔ High flow rates up to 16" systems.
- ➔ Rotating 'No Touch' Information Display (i.e. Date last regenerate, volume remaining)
- ➔ Seven Year Warranty



### 565 valve

- ➔ Simple user friendly 2 line / 32 character display
- ➔ Rotating 'No Touch' Information Display (i.e. Date last regenerate, volume remaining)
- ➔ Seven Year Warranty



### 765 valve

- ➔ Simple electronics with index knob to manually initiate regeneration and select cycle position
- ➔ Five Year Warranty

Specifications	TLC-100	TLC-150	TLC-200	TLC-250	TLC-300
<b>Factory Settings - High Capacity</b>					
Salt Used - Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	30.0 lbs	36.0 lbs
Water Used - Regeneration	64.3 gal	90.3 gal	124.6 gal	160.8 gal	196.2 gal
Tannins Removal	2000 ppm	3000 ppm	4000 ppm	5000 ppm	6000 ppm
Resin Quantity - Cubic Feet	1.0 ft	1.5 ft	2.0 ft	2.5 ft	3.0 ft
Tank Size	9x48	10x54	12x52	13x54	14x65
Media Loaded	Yes	Yes	No	No	No
Brine Tank Size (Inches)	BTR 18.1 x 34.5 BTS 15.0 <sup>2</sup> x34.7	20.3 x 37.4	20.3 x 37.4	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	BTS 240 lbs BTR 270 lbs	350 lbs	350 lbs	350 lbs	420 lbs
Recommended Service Flow Rate	3.0 gpm	4.5 gpm	6.0 gpm	7.5 gpm	9.0 gpm
Flow Rate @ 15 psi Pressure Drop	11.0 gpm	11.2 gpm	12.2 gpm	12.4 gpm	12.6 gpm
Flow Rate @ 25 psi Pressure Drop	15.0 gpm	15.1 gpm	16.2 gpm	16.4 gpm	16.6 gpm
Back Wash Flow Rate	1.5 gpm	2.0 gpm	3.0 gpm	3.5 gpm	4.0 gpm
Shipping Weight	122 lbs	155 lbs	158 lbs	208 lbs	244 lbs
Regeneration Type	Co-Current / Down Flow				
Maximum Tannins	3.0 ppm (Contact Customer Service for higher levels)				
Plumbing Connections	Includes 3/4" 90°Elbows NPT 89 Valve 1" 90°Elbows NPT				
Resin Type	850 Anion Resin				
Electrical Requirements	Input 120V 60 Hz - Output 12V 550mA				
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit				
Water Pressure	Min. 20 - Max. 125 psi				

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



A Division of

# Hydrotech®

TOLL-FREE: 1-877-288-9888  
[www.hydrotechwater.com](http://www.hydrotechwater.com)

Regina, SK • Cambridge, ON • Whitestown, IN • Houston, TX • Phoenix, AZ • Guadalajara, MX

Your Local Water Treatment Professional

80153041 2023-10-04  
 Available in print