

# Hydrotech®

## 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.

### HIMTLC Series - Hardness, Iron, Manganese & Tannins

Rid your water of hardness minerals (calcium and magnesium) and enjoy soft skin, silky hair, spot free dishes and brighter laundry while protecting your plumbing and water using appliances from scale build-up.

Removing iron and manganese will keep fixtures from getting stained as well as removing the taste and smell.

Tannins, caused by decaying organic matter, are normally found in surface water systems and cause a yellow or brown color in the water that does not settle and will stain laundry.



### DUAL TANK HIMTLC 850 - HARDNESS, IRON, MANGANESE, TANNINS, LIGNIN & COLOR

Part #	Model	Brine Tanks Type, Size, Color	Resin Tank Size & Colour	Weight (LBS)
<b>89 Series 1" Upflow</b>				
15101200-1	HT89UF-100HIMTLC850	BTS-100 Black	10x54 Black	133
15101218-1	HT89UF-150HIMTLC850	BTR-145 Black	12x52 Black	153
15101227-1	HT89DF-200TLC850	BTR-145 Black	13x54 Black	220
<b>785 Series Upflow</b>				
15101268-1	HT785UF-100HIMTLC850	BTS-100 Black	10x54 Black	133
15101286-1	HT785UF-150HIMTLC850	BTR-145 Black	12x52 Black	153
15101295-1	HT785UF-200HIMTLC850	BTR-145 Black	13x54 Black	220
<b>565 Series</b>				
15101336-1	HT565-100HIMTLC850	BTS-100 Black	10x54 Black	133
15101354-1	HT565-150HIMTLC850	BTR-145 Black	12x52 Black	153
15101363-1	HT565-200HIMTLC850	BTR-145 Black	13x54 Black	220
15101366-1	HT565-250HIMTLC850*	BTR-145 Black	14x65 Natural	244
15101369-1	HT565-300HIMTLC850*	BTR-200 Grey	14x65 Natural	268
<b>765 Series</b>				
15101404-1	HT765-100HIMTLC850	BTS-100 Black	10x54 Black	133
15101422-1	HT765-150HIMTLC850	BTR-145 Black	12x52 Black	153

\*Media not loaded in mineral tank.



IAPMO R & T Certified  
Against NSF/ANSI 42 and  
CSA B483.1



**Tank Mate™**  
Patent Pending  
Included with all systems

## Features:

- ➔ Exclusive NSF Certified electronic control valve (systems available with Hydrotech 89, 785, 565 and 765 control valves)
- ➔ Two tank system uses high quality anion and cation resin to remove hardness, iron, manganese and tannins
- ➔ NSF Certified control valve with simple, backlit electronics. No confusing symbols
- ➔ NSF Certified pressure tanks
- ➔ Plastic salt grid prevents salt bridging
- ➔ Brine safety valve for added overflow protection
- ➔ Unique space saving bypass valve included



**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

Specifications	HIMTLC-100 850	HIMTLC-150 850	HIMTLC-200 850	HIMTLC-250 850
	HIMTLC-100 860	HIMTLC-150 860	HIMTLC-200 860	HIMTLC-250 860
<b>Factory Settings - Iron &amp; Manganese</b>				
Salt Used - Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	30.0 lbs
Water Used - Regeneration	100 gal ± 10%	175 gal ± 10%	224 gal ± 10%	226 gal ± 10%
Hardness Removal - Grains	30,000	45,000	60,000	75,000
Tannins Removal	2,000 ppm	3,000 ppm	4,000 ppm	5,000 ppm
Tank #1 Resin Quantity - Cubic Feet	1.0 ft <sup>3</sup>	1.5 ft <sup>3</sup>	2.0 ft <sup>3</sup>	2.5 ft <sup>3</sup>
Tank #2 Resin Quantity - Cubic Feet	1.0 ft <sup>3</sup>	1.5 ft <sup>3</sup>	2.0 ft <sup>3</sup>	2.5 ft <sup>3</sup>
Tank Size	10x54	12x52	13x54	14x65
Media Loaded	Yes	Yes	No	No
Brine Tank Size (Inches)	15.0 x 34.7	20.3 x 37.4	20.3 x 37.4	20.3 x 37.4
Salt Storage Capacity	270 lbs	350 lbs	350 lbs	350 lbs
Recommended Service Flow Rate	3.0 gpm	4.5 gpm	6.0 gpm	7.5 gpm
Flow Rate @ 15 psi Pressure Drop	7.3 gpm	7.5 gpm	8.3 gpm	12.4 gpm
Flow Rate @ 25 psi Pressure Drop	10.0 gpm	10.1 gpm	11.1 gpm	16.4 gpm
Back Wash Flow Rate	2.4 gpm	4.0 gpm	5.0 gpm	5.0 gpm
Shipping Weight	200 lbs	275 lbs	402 lbs	440 lbs
Regeneration Type	89 and 785 - Upflow / 565 and 765 - Downflow			
Maximum Hardness	75 Grains Per Gallon			
Maximum Tannins	3.0 ppm (Contact Customer Service for higher levels)			
Maximum Total Iron: Total iron = iron x 1 plus manganese x 2**	pH <7.2 - 10.0 ppm Total Iron; pH >7.2 - 7.0 ppm Total Iron			
Maximum Manganese (See Total Iron)**	5.0 ppm			
Maximum TDS	1500 mg/l			
Resin Type	Fine Mesh / 850 or 860 Anion Resin			
Plumbing Connections	765, 565 and 785 - includes 3/4" 90 degree elbow connectors 89 - Includes 1" 90 degree elbow connectors			
Electrical Requirements	Input 120V 60 Hz - Output 12V 550mA			
Water Temperature	Min 39 - Max. 100° F			
Water Pressure	Min. 20 - Max. 125 psi			

\*\* SEE PRODUCT DATA SHEETS FOR IAPMO IRON REDUCTION SPECIFICATIONS.



**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
- ➔ Available in 100 and 150 sizes only



**765 valve**

- ➔ Simple electronics with index knob to manually initiate regeneration and select cycle position
- ➔ Five Year Warranty
- ➔ Available in 100 and 150 sizes only



Includes ResCare Feeder  
Plus 64 oz of ResCare



# Hydrotech®

A Division of



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