

# 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 PLUS Series - Hardness, Iron, Manganese, Natural Organic Matter (including Tannins) and Ammonium Removal**

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.

Ammonium, often found as a by-product in water disinfected with chloramines, is undesirable and can cause bad taste and odor.



*Clean,  
Clear  
Soft Water*





## Features:

- ➔ Exclusive NSF Certified electronic control valve (systems available with Hydrotech 89, 785, 565 and 765 control valves)
- ➔ 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

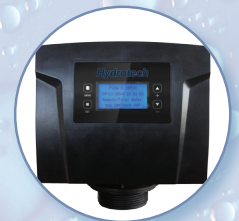
Specifications	HIMTLCPLUS-150	HIMTLCPLUS-200	HIMTLCPLUS-250	HIMTLCPLUS-300
Salt Used - Per Regeneration	9.0 lbs	12.0 lbs	15.0 lbs	18.0 lbs
Water Used - Regeneration	74.6 gal	98.9 gal	126.6 gal	153.0 gal
Hardness Removal - Grains	17,100	22,800	28,500	34,200
Advanced Exchange Media (ft3)	1.32ft	1.76 ft	2.20 ft	2.64 ft
Tank Size	10x54	12x52	13x54	14x65
Top Cone	Yes	Yes	Yes	Yes
Tank Jacket / Media Loaded	Yes	No	No	No
Brine Tank (Inches)	20.3 x 37.4	20.3 x 37.4	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	350 lbs	350 lbs	350 lbs	420 lbs
Critical Service Flow Rate	4-6 gpm	6-8 gpm	8-10 gpm	10-12 gpm
Back Wash Flow Rate	2.4 gpm	4.0 gpm	5.0 gpm	7.0 gpm
Shipping Weight	141 lbs	158 lbs	198 lbs	244 lbs
pH	5-9			
Other	Free Chlorine < 1 ppm, TDS < 4000 ppm			
Regeneration Type	Down Flow			
Plumbing Connections	Includes 3/4" 90° Elbows & 1" Straight NPT			
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA			
Water Temperature	Min 39 - Max. 100° F			
Water Pressure	Min. 20 - Max. 125 psi			

### Raw Water Quality Requirements and Efficiency of Purification

	Raw Water Limitations	Max. Efficiency, %
Hardness	45 gpg	97
Iron*	15 ppm	98
Manganese	3 ppm	98
TOC** (including tannins)	17 ppm C	80
Ammonium	4 ppm	90

\*In cases where the iron level exceeds 10.0 ppm (mg/l) and/or some of the iron is ferric (oxidized) iron, a 5 micron pre-filter should be installed prior to this unit. We recommend our 10" or 20" Big Value filter housings with a 5 micron cartridge.

\*\*TOC (total organic carbon) is used as a measure of natural organic matter content



#### 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

**Do NOT use Pro Res Care or other media cleaners with these units as it will damage the media**



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**Toll Free: 1-877-288-9888**  
**www.hydrotechwater.com**

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Your Local Water Treatment Professional

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