

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.

HIM Series - Hardness, Iron and Manganese

Rid your water of hardness minerals (calcium and magnesium) and enjoy soft skin, silky hair, spot free dishes and brighter laundry 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.

HIM - HARDNESS, IRON, MANGANESE (SINGLE TANK SYSTEM)

Part #	Model	Brine Tanks Type, Size, Color	Resin Tank Size & Colour	Weight (LBS)
89 Series 1" DownFlow				
15102100	HT89DF-100HIM	BTS-100 Black	10x54 Black	120
15102118	HT89DF-150HIM	BTR-145 Black	12x52 Black	151
15102127	HT89DF-200HIM	BTR-145 Black	13x54 Black	168
15102130	HT89DF-250HIM*	BTR-145 Black	14x65 Black	208
15102133	HT89DF-300HIM*	BTR-200 Grey	14x65 Natural	254

785 Series Downflow

15102134	HT785DF-100HIM	BTS-100 Black	10x54 Black	120
15102152	HT785DF-150HIM	BTR-145 Black	12x52 Black	151
15102161	HT785DF-200HIM	BTR-145 Black	13x54 Black	168
15102164	HT785DF-250HIM*	BTR-145 Black	14x65 Black	208
15102167	HT785DF-300HIM*	BTR-200 Grey	14x65 Natural	254

565 Series

15102168	HT565-100HIM	BTS-100 Black	10x54 Black	120
15102186	HT565-150HIM	BTR-145 Black	12x52 Black	151
15102195	HT565-200HIM	BTR-145 Black	13x54 Black	168
15102198	HT565-250HIM*	BTR-145 Black	14x65 Black	208
15102201	HT565-300HIM*	BTR-200 Grey	14x65 Natural	254

765 Series

15102202	HT765-100HIM	BTS-100 Black	10x54 Black	120
15102220	HT765-150HIM	BTR-145 Black	12x52 Black	151
15102229	HT765-200HIM	BTR-145 Black	13x54 Black	168
15102232	HT765-250HIM*	BTR-145 Black	14x65 Black	208
15102235	HT765-300HIM*	BTR-200 Grey	14x65 Natural	254

*Media not loaded in mineral tank.



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



IAPMO R & T Certified
Against NSF/ANSI 42



Soft, Clean
Truly Refined
Water



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 O-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

Specifications	HIM-100	HIM-150	HIM-200	HIM-250	HIM-300
Factory Settings - Iron & Manganese					
Salt Used - Per Regeneration	12.0 lbs	18.0 lbs	24.0 lbs	30.0 lbs	36.0 lbs
Water Used - Regeneration	124 gal ± 10%	215 gal ± 10%	274 gal ± 10%	276 gal ± 10%	278 gal ± 10%
Hardness Removal - Grains	30,000	45,000	60,000	75,000	90,000
Filter Media Volume (ft ³)	1.0 ft ³	1.5 ft ³	2.0 ft ³	2.5 ft ³	3.0 ft ³
Garnet	Yes	Yes	Yes	Yes	Yes
Tank Size	10x54	12x52	13x54	14x65	14x65
Media Loaded	Yes	Yes	No	No	No
Brine Tank Size (Inches)	BTR 18.1 x 34.5 BTS 15.0 x 34.7	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
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	2.4 gpm	4.0 gpm	5.0 gpm	5.0 gpm	5.0 gpm
Shipping Weight	120 lbs	164 lbs	214 lbs	250 lbs	300 lbs
Regeneration Type	Co-Current / Down Flow				
Maximum Hardness	75 Grains Per Gallon				
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				
Resin Type	Fine Mesh				
Plumbing Connections	89 model comes with 1" 90 degree elbow connectors 65 models come with 3/4" 90 degree elbow connectors				
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA				
Water Temperature	Min 39 - Max. 100° F				
Water Pressure	Min. 20 - Max. 125 psi				



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

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



Includes ResCare Feeder
Plus 1 Quart of Res Care



TOLL-FREE: 1-877-288-9888
www.hydrotechwater.com

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