

Whole Home Softener & Filter

Water Softener with Iron and Manganese Reduction

The 765DF-HIM Series system offers a cost-effective and reliable solution for treating hard water and removing iron contamination. Third-party certified for iron removal, the HIM uses fine mesh ion exchange resin to remove clear water iron and manganese while softening water.



KEY FEATURES

Maximum Hardness: Softens up to 75 grains per gallon of hardness.

Maximum Total Iron: Removes 10.0 ppm total iron in water with a pH below 7.2 and 7.0 ppm total iron in water with a pH above 7.2.

Total Iron Calculation = (Iron ppm x 1) + (Manganese ppm x 2).

Maximum Manganese: 5.0 ppm (see total iron calculation).

Tank Features: Brine tank with safety float, air check and injection molded brine grid to reduce salt bridging. Hydrotech branded neoprene pressure tank jackets are optional.

INCLUDES PRO EASY FEEDER STARTER KIT

VALVE FEATURES

Manual Index: Turn to desired cycle position for faster, easier installation & service.

3/4" 90-Degree Elbows: Included for easy installation.

Timesaving Quick Connect Fittings & Pre-Installed Bypass: Quick connect fittings on bypass, drain line (10' included), brine line and power cord, for easier, faster installations.



Simple Electronics: Just set time of day, hardness and number of people.

Optional Regeneration Modes: Meter immediate, meter delayed, meter override, calendar clock modes.

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



IAPMO R&T Certified to NSF/ANSI 42, 372 and CSA B483.1.

Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

MODEL NUMBER	HT765DF-100HIM	HT765DF-150HIM	HT765DF-200HIM	HT765DF-250HIM	HT765DF-300HIM
Item Number	15102202	15102220	15102229	15102232	15102235
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 Per Regeneration	124.0 gal $\pm$ 10%	215.0 gal $\pm$ 10%	274.0 gal $\pm$ 10%	276.0 gal $\pm$ 10%	278.0 gal $\pm$ 10%
Hardness Removal (Grains)	30,000	45,000	60,000	75,000	90,000
Filter Media Volume - Cubic Feet	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
Pressure Tank Size (Inches)	10 x 54	12 x 52	13 x 54	14 x 65	14 x 65
Media Loaded	Yes	Yes	No	No	No
Salt Storage Capacity	270 lbs	350 lbs	350 lbs	350 lbs	420 lbs
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	2.4 US gpm	4.0 US gpm	5.0 US gpm	5.0 US gpm	5.0 US gpm
Shipping Weight	120 lbs	161 lbs	214 lbs	250 lbs	300 lbs
Regeneration Type	DOWNFLOW (COCURRENT)				
Maximum Hardness	75 GRAINS PER GALLON				
Maximum Total Iron (Ferrous)	10.0 PPM TOTAL IRON FOR PH < 7.2				
Total Iron = (Iron ppm x 1) + (Manganese ppm x 2)	7.0 PPM TOTAL IRON FOR PH $\geq$ 7.2				
Maximum Manganese (See Total Iron)	5.0 ppm				
Resin Type	AQUAFINE® FINE MESH ION EXCHANGE RESIN				
Plumbing Connections	INCLUDES 3/4" 90° NPT ELBOWS				
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)				

Above units supplied with easy feeder and 64oz bottle of Rescare.

DIMENSIONS

HT765 Series	075	100	150	200	250	300	CABINET
TANK/VALVE A x B (inches)	51.5 x 8.0	55.75 x 9.0	61.75 x 10.0	59.75 x 12.0	62.75 x 13	73.75 x 14.0	13.8 x 23.6 x 43.3
BRINE TANK C x D (inches)	18 x 34	18 x 34	18 x 34	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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