

# Hydrotech<sup>®</sup>

## 785HE Series Water Softener

### The Trouble With Hard Water

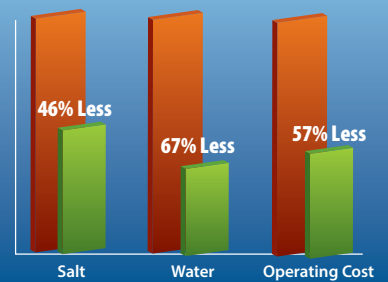
Hard water (calcium & magnesium) is a common problem for many homeowners and businesses. When hardness minerals are combined with heat it forms troublesome scale. Scale causes costly build-up in your plumbing, water heater and other water using appliances. When combined with soap, the minerals form soap curd or scum that makes skin dry and itchy, hair lifeless, laundry dull and builds up on fixtures.



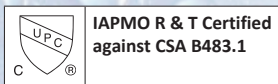
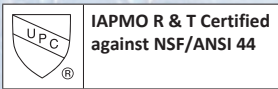
### A System That Pays For Itself

Hydrotech offers the highest efficiency at the best price! Save 7,500 lbs of salt, 125,000 gal. water and \$2,750 in operating costs!\*

#### Hydrotech 89 & 785 HE Series Vs. Traditional Meter



\* Based on expected 15 year life. \$6.00 per 40 Lb bag of salt. \$3.62 per cubic meter of water.



### Benefit From Softer Water:

- ➔ Silky shiny hair, Soft supple skin
- ➔ Use up to 75% less soap
- ➔ Lower water heating cost by 29%
- ➔ Save as much as \$479 annually\*

\*Potential savings based on Water Quality Research Foundation Battelle Institute Study

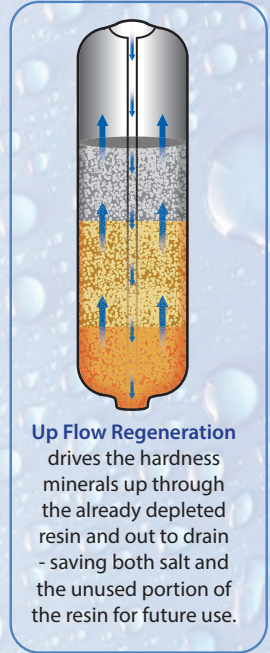




Cabinet Model

## Features:

- ➔ NSF Certified electronic control valves with proven piston, seal & spacer technology and rotating 'no touch' diagnostic backlit 16 character LCD display
- ➔ Up Flow Regeneration with Optimal Precision Brining provides high-efficiency performance and lowest possible salt usage.
- ➔ Adjustable backwash frequency saves up to 2,000 gallons of water per year
- ➔ Up Flow - meter delayed; Downflow - meter delayed; vacation mode
- ➔ Self charging capacitor keeps date / time of day for 48 hours while programming remains in permanent memory
- ➔ Soft Water Recharge performs quick regeneration ensuring you never run out of soft water
- ➔ NSF Certified high-gloss pressure tank
- ➔ IAPMO certified 8% cross-linked cation resin
- ➔ Heavy-duty brine tank / cabinet constructed with NSF Certified high-density polyethylene. Twin tank models include plastic salt grid.
- ➔ Soft water brine tank refill
- ➔ Brine safety valve for added overflow protection
- ➔ Space saving bypass with integrated turbine meter
- ➔ Time saving quick connect fittings on bypass, drain line, brine line and power cord
- ➔ Seven Year Control Valve Warranty, Lifetime Warranty on Tanks



## Options:

- ➔ Traditional twin tank or cabinet style
- ➔ Round or square brine tanks in black, blue or vanilla
- ➔ Pressure tanks in black, blue or natural
- ➔ Tank jackets with black caps in chrome, grey, blue or vanilla



7 Year Warranty Control Valve Lifetime Warranty Pressure tank

## 785HE Series Upflow

Part #	Model	System Capacity Grains			Flow Rate		Regeneration Water Usage (Gallons)		Mineral Tank Size	Resin Cu. Ft.	Brine Tank / Cabinet Size Inches	Salt Capacity (Lbs)	Ship Weight (Lbs)
		@ 10 lbs/cu ft	@ 6 lbs/cu ft (Factory Setting)	@ 3 lbs/cu ft	Service USGPM	Backwash USGPM	Clean Water (Factory Setting)	Problem Water					
15100200	HT785UF-075	22,500	<b>18,750</b>	11,250	8.0	1.5	<b>34.0</b>	49.6	8 x 44	0.75	BTS 15.0"x34.7/BTR 18.1x34.7	BTS 230 /BTR 270	93
15100218	HT785UF-100	30,000	<b>25,000</b>	15,000	10.0	2.0	<b>43.4</b>	64.3	9 x 48	1.00	BTS 15.0"x34.7/BTR 18.1x34.7	BTS 230 /BTR 270	110
15100236	HT785UF-150	45,000	<b>37,500</b>	22,500	12.0	2.4	<b>62.7</b>	90.3	10 x 54	1.50	BTS 15.0"x34.7/BTR 18.1x34.7	BTS 230 /BTR 270	141
15100254	HT785UF-200	60,000	<b>50,000</b>	30,000	15.0	3.5	<b>87.1</b>	124.6	12 x 52	2.00	20.3 x 37.4	385	158
15100257	HT785UF-250*	75,000	<b>62,500</b>	37,500	15.0	4.0	<b>108.9</b>	155.8	13 X 54	2.50	20.3 x 37.4	385	198
15100260	HT785UF-300*	90,000	<b>75,000</b>	45,000	15.0	5.0	<b>139.2</b>	196.2	14 x 65	3.00	23.0 x 40.5	550	244
15100261	HT785UF-075C	22,500	<b>18,750</b>	11,250	8.0	2.0	<b>40.5</b>	56.1	9 x 35	0.75	13.8 x 23.6 x 43.3	225	93
15100262	HT785UF-100C	30,000	<b>25,000</b>	15,000	10.0	2.4	<b>48.6</b>	69.5	10 x 35	1.00	13.8 x 23.6 x 43.3	225	110

## 785HE Series Downflow

Part #	Model	System Capacity Grains			Flow Rate		Regeneration Water Usage (Gallons)		Mineral Tank Size	Resin Cu. Ft.	Brine Tank / Cabinet Size Inches	Salt Capacity (Lbs)	Ship Weight (Lbs)
		@ 10 lbs/cu ft	@ 6 lbs/cu ft (Factory Setting)	@ 3 lbs/cu ft	Service USGPM	Backwash USGPM	Clean Water (Factory Setting)	Problem Water					
15100300	HT785DF-075	22,500	<b>18,750</b>	11,250	8.0	1.5	<b>34.0</b>	49.6	8 x 44	0.75	BTS 15.0"x34.7/BTR 18.1x34.7	BTS 230 /BTR 270	93
15100318	HT785DF-100	30,000	<b>25,000</b>	15,000	10.0	2.0	<b>43.4</b>	64.3	9 x 48	1.00	BTS 15.0"x34.7/BTR 18.1x34.7	BTS 230 /BTR 270	110
15100336	HT785DF-150	45,000	<b>37,500</b>	22,500	12.0	2.4	<b>62.7</b>	90.3	10 x 54	1.50	BTS 15.0"x34.7/BTR 18.1x34.7	BTS 230 /BTR 270	141
15100354	HT785DF-200	60,000	<b>50,000</b>	30,000	15.0	3.5	<b>87.1</b>	124.6	12 x 52	2.00	20.3 x 37.4	385	158
15100357	HT785DF-250*	75,000	<b>62,500</b>	37,500	15.0	4.0	<b>108.9</b>	155.8	13 X 54	2.50	20.3 x 37.4	385	198
15100360	HT785DF-300*	90,000	<b>75,000</b>	45,000	15.0	5.0	<b>139.2</b>	196.2	14 x 65	3.00	23.0 x 40.5	550	244
15100361	HT785DF-075C	22,500	<b>18,750</b>	11,250	8.0	2.0	<b>40.5</b>	56.1	9 x 35	0.75	13.8 x 23.6 x 43.3	225	93
15100362	HT785DF-100C	30,000	<b>25,000</b>	15,000	10.0	2.4	<b>48.6</b>	69.5	10 x 35	1.00	13.8 x 23.6 x 43.3	225	110

\*Media not loaded in mineral tank.



# Hydrotech®

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