

Water Softener

High-Performance, Advanced Technology

The Hydrotech 89DF delivers reliable performance with true 1" porting. Third-party certified to provide luxuriously soft water, enjoy advanced technology and user-friendly programming.



KEY FEATURES

Backwash Frequency Preset: Save up to 2,000 gallons of water per year by skipping up to ten (10) backwash cycles on clean municipal watersupply.

Emergency Regen: If capacity goes below 3%, an automatic 15-minute recharge restores softening until the next regeneration.

Tank Features: Brine tank with safety float, air check and injection molded brine grid to reduce salt bridging. Optional neoprene tank jacket.

VALVE FEATURES

True 1" Porting: For high-flow applications.

1" 90-Degree Elbows: Included for easy installation.

Timesaving Quick Connect Fittings: Quick connect fittings on bypass, drain line (10' included), air check valve and power cord. Bypass included.

Unique Bypass Design: Integrated turbine meter saves space, eliminates connections and is more durable.



Four Line Touch Pad LCD Display: No-touch rotating information display. Just set the time, date and hardness.

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



TRUE 1" PORTING



CONTROL VALVE



TANKS



IAPMO R&T certified to NSF/ANSI 44, 372 and CSA B483.1

Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

MODEL NUMBER	HT89DF-100	HT89DF-150	HT89DF-200	HT89DF-250*	HT89DF-300*	HT89DF-100C
Item Number	15100118	15100136	15100154	15100157	15100160	15100162
SYSTEM CAPACITY GRAINS						
@ 12 lbs / Cubic Feet	26,500	39,750	53,000	75,000	79,500	26,500
@ 6 lbs / Cubic Feet (Factory Setting)	22,000	33,000	44,000	55,000	66,000	22,000
@ 3 lbs / Cubic Feet	14,000	22,500	28,000	35,000	42,000	14,000
REGENERATION WATER USAGE (GALLONS)						
Clean Water (Factory Setting)	43.4 gal	62.7 gal	87.1 gal	108.9 gal	139.2 gal	48.6 gal
Problem Water	64.3 gal	90.3 gal	124.6 gal	155.8 gal	196.2 gal	69.5 gal
Resin Quantity (Cubic Feet)	1.0 ft ³	1.5 ft ³	2.0 ft ³	2.5 ft ³	3.0 ft ³	1.0 ft ³
Pressure Tank Size (Inches)	9 x 48	10 x 54	12 x 52	13 x 54	14 x 65	10 x 35
Media Loaded	Yes	Yes	Yes	No	No	Yes
Salt Storage Capacity	270 lbs	270 lbs	350 lbs	350 lbs	420 lbs	225 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	12.0 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	16.0 US gpm
Backwash Flow Rate	2.0 US gpm	2.5 US gpm	3.5 US gpm	4.0 US gpm	5.0 US gpm	2.5 US gpm
Shipping Weight	102 lbs	134 lbs	169 lbs	198 lbs	279 lbs	110 lbs
Regeneration Type	DOWNFLOW (COCURRENT)					
Plumbing Connections	INCLUDES 1" 90° NPT ELBOWS					
Resin Type	AQUAFINE® 8% CATION EXCHANGE RESIN					
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)					

*DUE TO WEIGHT, THESE SYSTEMS COME UNLOADED. MEDIA COMES PREMEASURED.

Not intended for treating water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. "

Peak flow rates are intended for intermittent use only (10 minutes or less) and are for residential applications only. Do not use peak flow rate for commercial applications or for a continuous rate when treated water supplies are geothermal heat pump, swimming pool, etc. For satisfactory operation, the pumping rate of the well system must equal or exceed indicated backwash flow rate.

DIMENSIONS

HT89DF	100	150	200	250	300	CABINET
TANK/VALVE A x B (inches)	56 x 9	62 x 10	60 x 12	60 x 13	74 x 14	13.8" x 23.6" x 43.3
BRINE TANK C x D (inches)	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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