

Water Softener

1" Porting, High-Efficiency, Advanced Technology

The Hydrotech 89UF delivers high-efficiency performance with true 1" porting. Third-party certified to provide luxuriously soft water, enjoy advanced technology and features while using less salt and water.



KEY FEATURES

Upflow Regeneration: Saves salt by preserving the unused portion of the softening bed from unnecessary ion exchange.

Precision Brining: Calculates the exact amount of brine required to regenerate, using up to 30% less salt.

Soft Water Brine Tank Refill: Keeps tank & injectors clean.

Emergency Regen: If capacity goes below 3%, an automatic 20-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.

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

USES UP TO
75%
LESS SALT &
64%
LESS WATER

VALVE FEATURES

True 1" Porting: For high-flow applications.

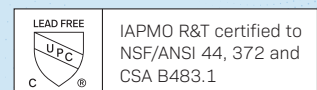
1" 90-Degree Elbows: Included for easy installation.

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



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.



Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

MODEL NUMBER	HT89UF-100	HT89UF-150	HT89UF-200	HT89UF-250*	HT89UF-300*	HT89UF-100C
Item Number	15100018	15100036	15100054	15100057	15100060	15100062
SYSTEM CAPACITY GRAINS						
@ 10 lbs / Cubic Feet	30,000	45,000	60,000	75,000	90,000	30,000
@ 6 lbs / Cubic Feet (Factory Setting)	25,000	37,500	50,000	62,500	75,000	25,000
@ 3 lbs / Cubic Feet	15,000	22,500	30,000	37,500	45,000	15,000
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
Problem Water	64.3 gal	90.3 gal	124.6 gal	155.8 gal	196.2 gal	69.5
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	385 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	
Shipping Weight	102 lbs	134 lbs	169 lbs	198 lbs	279 lbs	110 lbs
Regeneration Type	UPFLOW (COUNTER CURRENT)					
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

HT89UF	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



PROUD MEMBERS



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