

Water Softener & Whole Home Carbon Filter

1" Porting, High-Efficiency, Reduces Bad Taste & Odor

Ideal for households on municipal water, the HT89UF MBHTO combines high-efficiency, high-flow water softening with whole home carbon filtration. Third-party certified to provide soft water while reducing bad taste and odor caused by chlorine and chloramines.



KEY FEATURES

Whole Home Chlorine Reduction: IAPMO certified for chlorine reduction. AquaFine® granular activated carbon reduces chlorine, and chlorine by-products such as chloroform and other trihalomethanes (THMs).

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.

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.

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 pressure tank jacket.

DESIGNED TO REDUCE
**HARDNESS,
BAD TASTE &
ODOR**
WHILE SAVING SPACE.

VALVE FEATURES

True 1" Porting: For high-flow applications.

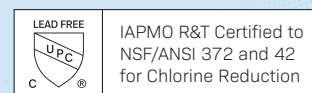
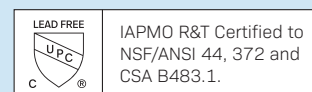
1" 90-Degree Elbows: Included for easy installation.

Timesaving Quick Connect Fittings: Quick connect fittings on bypass, brine line and power cord. Bypass included.



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

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



Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

MODEL NUMBER	89UF-100MBHTO	89UF-150MBHTO	89UF-200MBHTO
Item Number	15102518	15102536	15102723
Capacity			
@ 10 lbs (grains)	21,200	31,800	45,000
@ 6 lbs (factory setting)	17,600	26,400	37,500
@ 3 lbs	11,200	16,800	22,500
Resin (ft³)	0.8 ft³	1.2 ft³	1.5 ft³
Carbon (ft³)	0.2 ft³	0.3 ft³	0.5 ft³
Tank Size	9 x 48	10 x 54	12 x 52
Salt Storage Capacity	240 lbs	240 lbs	240 lbs
Media Loaded	Yes	Yes	Yes
Service Flow Rate	10.0 US gpm	12.0 US gpm	14.0 US gpm
Backwash Flow Rate	2.5 US gpm	2.5 US gpm	5.0 US gpm
Shipping Weight	110 lbs	141 lbs	150 lbs
Regeneration Type	UPFLOW (COUNTER CURRENT)		
Plumbing Connections	INCLUDES 1" 90° NPT ELBOWS		
Resin Type	AQUAFINE® 8% CATION EXCHANGE RESIN		
Carbon Type	AQUAFINE® Granual Activated Coconut Carbon		
Electrical Requirements	INPUT 120V 60 Hz OUTPUT 12V 650mA		
Water Temperature	MIN 40° - MAX 110° F (4° - 43° C)		
Water Pressure	MIN 30 - MAX 125 PSI (207 - 862 KPA)		

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.

Contact Customer Service or Your sales representative for application guidelines.

DIMENSIONS

HT89UF-MBHTO	100	150	200
TANK/VALVE A x B (inches)	57 x 9	63 x 10	61 x 12
BRINE TANK C x D (inches)	15 x 34	15 x 34	15 x 34



Homeowner's
Manual



Installation
Guide



Maintenance
Guide



Troubleshooting
Guide



Parts
Breakdown



Programming
Guide



Warranty



PROUD
MEMBERS



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