Hydrotech®

HT89-AIO
SPECIFICATION SHEET

Water Filter

Economical, Chemical-Free Removal of Iron, Manganese and Hydrogen Sulfide

The AIO's single tank, space-saving design uses a unique process to create an air bubble at the upper portion of the tank to oxidize ferrous iron prior to being filtered by the media. It can also be used to remove low concentrations of dissolved hydrogen sulfide and manganese from water.



KEY FEATURES

Iron Removal: Special media in the AIO and AIOM increases the pH of the water to enhance iron removal and acts as a physical barrier to trap iron precipitate. The iron, manganese and hydrogen sulfide are removed more effectively with high pH water.

Economical & Easy to Maintain: Removes iron, manganese and hydrogen sulfide (H2S) without chemicals, air pumps or a venturi.

Lasting Performance: The AIO regenerates to replenish the supply of air and remove iron from the media bed.

Inlet Check Valve: The filter is fitted with an inlet check valve to prevent any air from flowing backwards out of the filter tank.

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.



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

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

NSF COMPONENT

TRUE 1" PORTING

7 YEAR WARRANTY — CONTROL VALVE

LIFE TIME WARRANTY — TANKS

LEAD FREE UPC C ®

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

Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

SPECIFICATIONS	CHEMICAL FREE IRON FILTER			
	HT89-100AIO	HT89-150AIO	HT89-200AIO	HT89-300AIO
	15551007	15551014	15551021	15551025
	CHEMICAL FREE IRON FILTER FOR LOW PH AND/OR HIGH MANGANESE			
	HT89-100AIOM	HT89-150AIOM	HT89-200AIOM	HT89-300AIOM
	15551034	15551041	15551048	15551052
	HYDROGEN SULFIDE REDUCTION FILTER			
	HT89-100AIOC	HT89-150AIOC	HT89-200AIOC	HT89-300AIOC
	15551061	15551068	15551075	15551079
	BIRM IRON FILTER			
	HT89-100AIOB	HT89-150AIOB	HT89-200AIOB	HT89-300AIOB
	15551088	15551095	15551102	15551106
Service Flow Rate	3.0 US gpm	4.0 US gpm	5.0 US gpm	6.0 US gpm
Peak Flow Rate	6.0 US gpm	10.0 USgpm	12.0 USgpm	14.0 USgpm
Backwash Flow Rate	4.0 US gpm	5.0 US gpm	7.0 US gpm	10.0 USgpm
Media (Cubic Feet)	1.0 ft^3	1.5 ft^3	2.0 ft^3	3.0 ft^3
Pressure Tank Size (Inches)	9 x 48	10 x 54	12 x 52	14 x 65
Shipping Weight	AIO: 130 lbs AIOM: 127 lbs AIOC: 66 lbs AIOB: 75 lbs	AIO: 169 lbs AIOM: 166 lbs AIOC: 85 lbs AIOB: 98 lbs	AIO: 212 lbs AIOM: 190 lbs AIOC: 107 lbs AIOB: 124 lbs	AIO: 358 lbs AIOM: 358 lbs AIOC: 154 lbs AIOB: 180 lbs
Media Loaded	Yes	Yes	No	No
Maximum Iron	AIO, AIOM & AIOB: 0.0 - 10.0 ppm AIOC: 0.0 ppm			
Hydrogen Sulfide	AIO & AIOM: 0.0 - 1.0 ppm AIOC: 0.0 - 3.0 ppm AIOB: 0.0 ppm			
Manganese	AIO, AIOC & AIOB: 0.0 ppm AIOM: 0.0 - 1.0 ppm			
pH Range	AIO, AIOC & AIOB: 7.0 - 8.5 AIOM: 6.5 - 7.5			
Plumbing Connections	INCLUDES 1" 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)			

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

89AIO Filters	100	150	200	300
TANK/VALVE A x B (inches)	56 x 9	62 x 10	60 x 12	74 x 14

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QUICK LINKS

- Homeowner’s Manual
- Installation Guide
- Maintenance Guide
- Troubleshooting Guide
- Parts Breakdown
- Programming Guide
- Warranty