

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 oxygen 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.

**ECONOMICAL
& EASY TO
MAINTAIN**

VALVE FEATURES

Scrolling Diagnostics:
No-touch rotating key diagnostics on LCD display.

3/4" 90-Degree Elbows:
Included for easy installation.

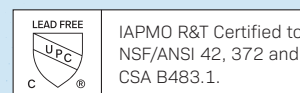
Timesaving Quick Connect Fittings & Pre-Installed Bypass: Quick connect fittings on bypass, drain line (10' included), brine line and power cord, for easier, faster installations.



Simple Electronics: Just set date and time of day.

Regeneration Modes:
Standard: Meter delayed
Optional: meter immediate, meter override and calendar clock.

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



Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

SPECIFICATIONS	CHEMICAL FREE IRON FILTER		
	HT565-075AIO	HT565-100AIO	HT565-150AIO
	15550547	15550554	15550561
	CHEMICAL FREE IRON FILTER FOR LOW PH AND/OR HIGH MANGANESE		
	HT565-075AIOM	HT565-100AIOM	HT565-150AIOM
	15550568	15550575	15550582
	HYDROGEN SULFIDE REDUCTION FILTER		
	HT565-075AIOC	HT565-100AIOC	HT565-150AIOC
	15550747	15550754	15550761
	BIRM IRON FILTER		
	HT565-075AIOB	HT565-100AIOB	HT565-150AIOB
	15550768	15550775	15550782
Service Flow Rate	2.0 US gpm	4.0 US gpm	5.0 US gpm
Peak Flow Rate	4.0 US gpm	10.0 USgpm	12.0 USgpm
Backwash Flow Rate	3.5 US gpm	5.0 US gpm	7.0 US gpm
Media (Cubic Feet)	1.0 ft³	1.5 ft³	2.0 ft³
Pressure Tank Size (Inches)	8 x 44	10 x 54	12 x 52
Shipping Weight	AIO: 99 lbs	AIO: 130 lbs	AIO: 169 lbs
	AIOM: 97 lbs	AIOM: 127 lbs	AIOM: 166 lbs
	AIOC: 57lbs	AIOC: 66 lbs	AIOC: 85 lbs
	AIOB: 62 lbs	AIOB: 75 lbs	AIOB: 98 lbs
Media Loaded	Yes	Yes	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	75	100	150
TANK/VALVE A x B (inches)	56 x 9	62 x 10	60 x 12



Homeowner's
Manual



Installation
Guide



Maintenance
Guide



Troubleshooting
Guide



Parts
Breakdown



Programming
Guide



Warranty



PROUD
MEMBERS



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