

### 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 (H<sub>2</sub>S) 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.

#### VALVE FEATURES

##### 3/4" 90-DEGREE ELBOWS

Included for easy installation.

##### TIMESAIVING QUICK CONNECT FITTINGS & PRE-INSTALLED BYPASS

Quick connect fittings on bypass, drain line (10' included), air check valve and power cord, for easier, faster installations.

##### SIMPLE ELECTRONICS

Just set time of day, hardness (compensated iron) and number of people.

##### OPTIONAL REGENERATION MODES

Meter immediate, meter delayed, meter override, calendar clock modes.

##### 48-HOUR PROGRAMMING MEMORY

Automatic programming restore for up to 48 hours during power loss.



COMPONENT



CONTROL VALVE



PRESSURE TANK



**ECONOMICAL & EASY TO MAINTAIN**



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

# Technical Specifications

## PROFESSIONALLY ENGINEERED FOR PERFORMANCE

### QUICK LINKS



Homeowner's Manual



Installation Guide



Maintenance Guide



Trouble Shooting Guide



Parts Breakdown



Programming Guide

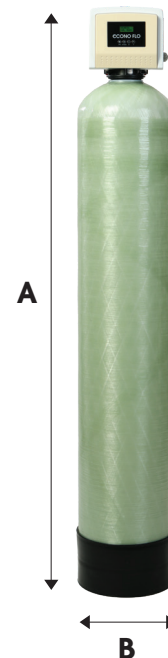


Warranty Sheet

SPECIFICATIONS	CHEMICAL FREE IRON FILTER		
	EF665AIO-075	EF665AIO-100	EF665AIO-150
	82231	82232	82233
	CHEMICAL FREE IRON FILTER FOR LOW PH AND/OR HIGH MANGANESE		
	EF665AIOM-075	EF665AIOM-100	EF665AIOM-150
	82235	82236	82237
	HYDROGEN SULFIDE REDUCTION FILTER		
	EF665AIOC-075	EF665AIOC-100	EF665AIOC-150
	82238	82239	82240
Service Flow Rate	2.0 US gpm	3.0 US gpm	4.0 US gpm
Peak Flow Rate	4.0 US gpm	6.0 US gpm	10.0 USgpm
Backwash Flow Rate	3.5 US gpm	4.0 US gpm	5.0 US gpm
Media (Cubic Feet)	0.75 ft <sup>3</sup>	1.0 ft <sup>3</sup>	1.5 ft <sup>3</sup>
Pressure Tank Size (Inches)	8 x 44	9 x 48	10 x 54
Shipping Weight	110 lbs	145 lbs	250 lbs
Media Loaded	Yes	Yes	Yes
Maximum Iron	AIO & AIOM: 0.0 - 10.0 ppm AIOC: 0.0 ppm*		
Hydrogen Sulfide	AIO & AIOM: 0.0 - 1.0 ppm AIOC: 0.0 - 3.0 ppm		
Manganese	AIO & AIOC: 0.0 ppm AIOM: 0.0 - 1.0 ppm		
pH Range	AIO & AIOC: 7.0 - 8.5 AIOM: 6.5 - 6.9		
Plumbing Connections	INCLUDES 3/4" 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)		

## DIMENSIONS

EF665 AIO Filters	075	100	150
TANK/VALVE A x B (inches)	52.0 x 8.0	55.75 x 9.0	61.75 x 10.0



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