

Water Filter

Remove Iron, Manganese and Sulphur Without Chemicals

The BIF uses a two-tank design to remove stubborn iron, manganese and sulfur without chemicals. The first tank contains a pocket of compressed air that precipitates the iron into solid form. The second tank removes the solidified iron as it passes through the media bed. The media acts as a catalyst in the reaction between iron and oxygen that also causes the iron to precipitate into a solid.

KEY FEATURES

NATURAL OXIDATION: Removes iron, manganese and hydrogen sulfide (H2S) without chemicals, air pumps or a venturi.

HIGH FLOW RATES: For large residential and commercial applications.

EFFICIENT REGENERATION: The BIF regenerates less frequently and uses up to 50% less water than single-tank iron filters. Periodic automatic regeneration replenishes the supply of oxygen and removes iron from the media bed.

VALVE FEATURES

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), 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.

TANKMATE™ Unique design sends water through both tanks in a single pass.



CONTROL VALVE



PRESSURE TANK



**REMOVES
STUBBORN
IRON**



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	EF665BIF-100	EF665BIF-150
	82480-1	82481-1
	EF665BIFMN-100	EF665BIFMN-150
	82486-1	82487-1
	EF665BIFMM-100 (Multi-Media)	EF665BIFMM-150 (Multi-Media)
	82484-1	82485-1
EF665BIFCC-100 (Catalytic Carbon)	EF665BIFCC-150 (Catalytic Carbon)	
82482-1	82483-1	

Service Flow Rate	3.0 US gpm	4.0 US gpm
Peak Flow Rate	6.0 US gpm	10.0 US gpm
Backwash Flow Rate	BIF/BIFMN/BIFCC: 5.0 US gpm BIFMM: 7.0 US gpm	
Media (Cubic Feet)	1.0 ft ³	1.5 ft ³
Pressure Tank Size (Inches)	9 x 48	10 x 54
Air Contact Tank Size (Inches)	9 x 48	10 x 54
Shipping Weight	BIF: 170 lbs BIFMN: 168 lbs BIFMM: 149 lbs BIFCC: 100 lbs	BIF: 200 lbs BIFMN: 197 lbs BIFMM: 164 lbs BIFCC: 117 lbs
Media Loaded	BIF/BIFMN/BIFCC: Yes BIFMM: No	BIF/BIFMN/BIFCC: Yes BIFMM: No
Maximum Iron	BIF and BIFMN models 30.0 ppm BIFMM models 10.0 ppm BIFCC models 0.0 ppm	
Maximum Manganese	BIF and BIFMN models 30.0 ppm BIFMM models 10.0 ppm	
Hydrogen Sulfide	BIF and BIFMN 1.0 ppm / BIFMN 3.0 ppm / BIFCC 5.0 ppm	
Manganese	BIF, BIFMM & BIFCC 0.0 ppm / BIFMN up to 1.0 ppm	
Iron Bacteria Removal	No	
pH	BIFMN pH 6.5 - 7.5 BIF & BIFCC pH 7.0 - 8.5 BIFMM pH 7.2 - 8.5	
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)	

BIFMN Models: For low pH and/or high manganese applications.

BIFMM Models: Hydrogen sulfide filter with multi media for use on tannin bearing water. This model is not certified IAPMO to NSF/ANSI 42.

BIFCC Models: Hydrogen sulfide removal with catalytic carbon for higher than normal H₂S removal (up to 5.0 ppm). This model is not certified IAPMO to NSF/ANSI 42.

At stated service flow rates the pressure drop through these devices will not exceed 15 PSIG.

Do not use where microbiologically unsafe.

Contact Customer Service or Your Sales Representative for Application Guidelines.

DIMENSIONS

EF665BIF	100	150	200	300
TANK/VALVE A x B (inches)	60.0 x 23.0	66.0 x 24.0	64.0 x 26.0	78.0 x 34.0

