

EFBIF Water Filters SPECIFICATION SHEET







REDUCES STUBBORN IRON



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

Water Filter

Reduce Iron, Manganese and Sulphur Without Chemicals

The BIF uses a two-tank design to reduce 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 reduces 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: Reduces iron, manganese and hydrogen sulfide (H2S) without chemicals, air pumps or a venturi.

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 **Flbows**

Timesaving Quick Connect Fittings & Pre-Installed

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



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

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.



Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

	EFBIF-100	EFBIF-150
SPECIFICATIONS	82480-1	82481-1
	EFBIFMN-100	EFBIFMN-150
	82486-1	82487-1
	EFBIFMM-100 (Multi-Media)	EFBIFMM-150 (Multi-Media)
	82484-1	82485-1
	EFBIFCC-100 (Catalytic Carbon)	EFBIFCC-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	
Hydrogen Sulfide	BIF and BIFMM 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	
рН	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)	

 $\textbf{BIFMN Models:} \ For low\ pH\ and/or\ high\ manganese\ applications.$

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.

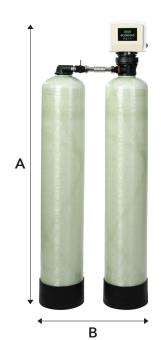
At stated service flow rates the pressure drop through these devices will not exceed 15 PSIG.

Do not use where microbiologically unsafe.

 ${\tt Contact}\ {\tt Customer}\ {\tt Service}\ {\tt or}\ {\tt Your}\ {\tt Sales}\ {\tt Representative}\ {\tt for}\ {\tt Application}\ {\tt Guidelines}.$

DIMENSIONS

EFBIF	100	150
TANK/VALVE A x B (inches)	60 x 23	66 x 24











Maintenance Guide



Trouble Shooting Guide



Parts Breakdown



Programming Guide



Warranty Sheet











