

Birm Iron Filter

Reduce Iron, Manganese and Sulphur Without Chemicals

The BAF uses a two-tank design to reduce stubborn iron, manganese and sulfur without chemicals. The first tank contains a pocket of compressed air that aids in the precipitation of the iron into solid form. The second tank reduces the solidified iron as it passes through the media bed. The birm media acts as a catalyst in the reaction between iron and oxygen that also causes the iron to precipitate into a solid. Birm is not consumed in the iron removal process, making it more economical than many other iron filtration systems.



KEY FEATURES

Natural Oxidation: Reduces iron, manganese and hydrogen sulfide (H₂S) without chemicals, air pumps or a venturi.

Efficient Regeneration: The BAF regenerates less frequently and uses up to 50% less water than single-tank iron filters. Periodic automatic regeneration replenishes the supply of air 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), brine line and power cord.

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



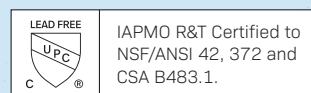
Simple Electronics: Just set date and time of day.

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

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



ECONOMIC IRON FILTRATION WITH BIRM MEDIA



Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

SPECIFICATIONS	HT565-100BAF	HT565-150BAF
	15550982-1	15550913-1
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	4.0 US gpm	5.0 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	102 lbs	129 lbs
Media Loaded	Yes	Yes
Maximum Iron	30.0 ppm	
Hydrogen Sulfide	1.0 ppm	
Manganese	0.0 ppm	
Iron Bacteria Removal	No	
pH	7.0 - 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)	

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

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.

Contact Customer Service or Your sales representative for application guidelines.

DIMENSIONS

565BAF Filter	100	150
TANK/VALVE A x B (inches)	60 x 23	66 x 24



Homeowner's
Manual



Installation
Guide



Maintenance
Guide



Troubleshooting
Guide



Parts
Breakdown



Programming
Guide



Warranty



PROUD
MEMBERS



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