Hydrotech®

HT89BAF
SPECIFICATION SHEET

Water 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 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.

High Flow Rates: For large residential and commercial applications.

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 oxygen and removes iron from the media bed.

VALVE FEATURES

True 1" Porting: For high-flow applications.

1" 90-Degree Elbows: Included for easy installation.

Timesaving Quick Connect Fittings: Quick connect fittings on bypass, drain line (10' included), air check valve and power cord. Bypass included.

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



Four Line Touch Pad LCD Display: No-touch rotating information display. Just set the time and date.

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

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

NSF COMPONENT

TRUE 1" PORTING

7 YEAR WARRANTY
CONTROL VALVE

LIFE TIME WARRANTY
TANKS

LEAD FREE UPC C ®

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

Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

SPECIFICATIONS	HT89DF-100BAF	HT89DF-150BAF	HT89DF-200BAF	HT89DF-300BAF
	15550980-1	15550901-1	15550902-1	15550903-1
Service Flow Rate	3.0 US gpm	4.0 US gpm	5.0 US gpm	6.0 US gpm
Peak Flow Rate	6.0 US gpm	10.0 US gpm	12.0 US gpm	14.0 US gpm
Backwash Flow Rate	5.0 US gpm	5.0 US gpm	7.0 US gpm	10.0 US gpm
Media (Cubic Feet)	1.0 ft^3	1.5 ft^3	2.0ft^3	3.0 ft^3
Pressure Tank Size (Inches)	9 x 48	10 x 54	12 x 52	14 x 65
Air Contact Tank Size (Inches)	9 x 48	10 x 54	12 x 52	14 x 65
Shipping Weight	102 lbs	129 lbs	145 lbs	216 lbs
Media Loaded	Yes	Yes	No	No
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 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)			

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

89BAF Filter	100	150	200	300
TANK/VALVE A x B (inches)	60 x 23	66 x 24	64 x 26	78 x 34



QUICK LINKS

Homeowner's Manual

Installation Guide

Maintenance Guide

Troubleshooting Guide

Parts Breakdown

Programming Guide

Warranty

Hydrotech® | A Division of Canature WaterGroup | PROUD MEMBERS Water Quality Association | CWQA Canadian Water Quality Association

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