

# Hydrotech

## BAF Birm Series Iron Filter

### Remove Stubborn Iron Without Chemicals

Incoming water passes through a compressed pocket of air contained in the tank. The oxygen precipitates the iron into solid form and is removed when it passes through the filter's media bed. Birm acts as a catalyst in the reaction between iron and oxygen that also causes the iron to precipitate into a solid.

As more water passes through the unit the air becomes depleted and the birm becomes overloaded with the iron. Periodic automatic regeneration replenishes the supply of air and cleans the media of filtered iron. Birm is not consumed in the iron removal process and therefore is much more economical than many other iron removal processes.



Clean, Clear  
Iron-Free  
Water



## Features:

- Exclusive NSF Certified electronic control valve (systems available with Hydrotech 89 and 565 control valves)
- Natural oxidation removes iron without chemicals, air pumps or a venturi
- Low maintenance two tank system
- Regenerate less frequently than traditional iron filters using up to 50% less water than manganese greensand filters
- Lifetime Warranty on NSF Certified tank; 7 years on NSF Certified control valve
- Meter Immediate, Meter Delayed, Meter with Day Override, Vacation and Calendar Clock mode
- Adjustable cycle times
- Audible Cycle Advance Alarm sounds if the valve is stuck in any position for more than 2 minutes
- Use less power than an alarm clock (approx. \$1.19 annually)
- Unique bypass with an integrated space saving turbine meter. One-piece design avoids meter jamming
- Time saving quick connect fittings on bypass and brine line. Power cord even has quick connect for easy valve spin on.
- Drain line o-ring eliminates need for Teflon
- Optional flexible stainless steel connectors are also available



**89 valve**

- True 1" porting for high flow rates up to 18" systems. Ideal for larger homes.
- Large Backlit LCD display screen with 4 line / 80 character touch pad screen.
- Seven Year Warranty



**565 valve**

- Simple user friendly 2 line /32 character display
- Rotating 'No Touch' Information Display (i.e. Date last regenerate, volume remaining)
- Seven Year Warranty

Specifications	BAF-100	BAF-150	BAF-200	BAF-300	BAF-400	BAF-500
Typical Service Flow Rate	3.0 gpm	4.0 gpm	5.0 gpm	6.0 gpm	7.0 gpm	9.0 gpm
Peak Flow Rate	6.0 gpm	10.0 gpm	12.0 gpm	14.0 gpm	16.0 gpm	18.0 gpm
Backwash Flow Rate	5.0 gpm	5.0 gpm	7.0 gpm	10.0 gpm	14.0 gpm	21.0 gpm
Filter Media Volume (ft3)	1.0 ft	1.5 ft	2.0ft	3.0 ft	4.0 ft	5.0 ft
Filter Tank Size	10x44	10x54	12x52	14x65	16x65	18x65
Air Contact Tank Size	8x44	10x54	12x52	14x65	14x65	14x65
Shipping Weight	150 lbs	188 lbs	248 lbs	368 lbs	443 lbs	518 lbs
Media Loaded	Yes	Yes	No	No	No	No
Maximum Iron	30.0 ppm					
Hydrogen Sulfide	Trace					
Mangansese	0.0 ppm					
Iron Bacteria Removal	No					
pH	7.0 - 8.5					
Plumbing Connections	3/4" 90					
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA					
Water Temperature	Min 39 - Max. 100° F					
Water Pressure	Min. 20 - Max. 125 psi					

Note: BAF systems using 565 Controls only available on 1.0 and 1.5 cubic foot units



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WATER SOFTENERS**

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