



AquaBubble™ AB-B Birm® Filter

The AquaBubble™ ABB Birm™ unit uses dissolved oxygen naturally present in your water to oxidize and filter iron and manganese

Benefits of Having Iron Free Water:

- Filtering iron will prevent buildup in plumbing fixtures, piping, water heaters and all other appliances saving you money in the long run
- Filtering iron and manganese will prevent reddish brown or black staining in the bathroom and kitchen accessories

Standard Equipment Includes:

- WS1CS Control Valve
- Bypass Valve (Bypass connections sold separately, see page 3)
- A black media called Birm™ is used for removing iron and manganese from your drinking water
- Fiberglass Mineral Tank
- Full 1" Internal Piping
- Reliable automatic backwashing control valve, capable of being custom tailored to your specific application

Removal Process:

- The AquaBubble™ ABB filter media acts as an insoluble catalyst to enhance the reaction between dissolved oxygen (D.O.) and the iron and manganese compounds

Application Benefits:

- Birm™ eliminates iron and manganese
- Birm™ possesses a long material life, a wide temperature range, and extremely high removal rates
- No need for caustic chemical regeneration
- Standard ABB units are programmed on a 12-day timer, and are set to regenerate on the day and time of your choice
- Filters down to 20 – 40 micron

Required Conditions:

- Influent water must not be corrosive
- For corrosive conditions, see AquaBubble model ABM
- Influent water must contain no hydrogen sulfide gas
- See AquaBubble™ model ABG for water containing hydrogen sulfide gas
- Influent water must have a D.O. content equal to at least 15% of the iron content with a pH of 6.8 or greater
- Water having a low D.O. content level may be aerated by an Iron Gate®, Revolution™, or Quantum™
- Applications for manganese removal should have a pH of 8.5 or greater*

Dimensions:

Model	A	B	C	D
10AB-B	55	9	48	50
15AB-B	61	10	54	56
20AB-B	59	12	52	54
25AB-B	61	13	54	56

A= Overall height in inches

B= Tank diameter in inches

C= Tank height in inches

D= Inlet height in inches

* May Require Application Engineering

Specifications:

Model	Mineral Volume (Ft.3)	Peak Flow (GPM)	Backwash Rate (GPM)	Shipping Weight (Lbs)
10AB-B	1	5.0	5.0	60
15AB-B	1.5	7.0	5.0	85
20AB-B	2	12.0	8.0	110
25AB-B	2.5	15.0	12.0	135

