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## Problems With Iron Staining?

### The Aquabubble™ ABB Iron Filter Is the Chemical Free Solution!

The Aquabubble™ ABB 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:

- A black media called Birm is used for removing iron and manganese from your drinking water
- Vortech™ style tank<sup>1</sup> conserves natural resources by eliminating the use of gravel support beds and lowering the required backwash time and flow rate, saving you money by conserving water
- 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 a REPCO Revolution, or Air Pump System
- Applications for manganese removal should have a pH of 8.5 or greater\*
- Periodic backwash is required, no regeneration needed

#### Dimensions:

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

A= Overall height in inches

B= Tank diameter in inches

C= Tank height in inches

D= Inlet height in inches (specify 0.75" or 1" Bypass, or 1.25" Yoke)

\* May Require Application Engineering



#### Specifications:

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

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