



## Experiencing Iron Staining?

### The REPCO RB Iron Filter Is the Chemical Free Solution!

The REPCO RB 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 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
- Twin motor automatic backwashing control valve, capable of being custom tailored to your specific application

#### Removal Process:

- The REPCO RB 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 RB 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 REPCO model RM
- Influent water must contain no hydrogen sulfide gas
- See REPCO model RG 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     |
|-------|----|----|----|-------|
| 10RB  | 56 | 9  | 48 | 49.75 |
| 15RB  | 62 | 10 | 54 | 55.75 |
| 20RB  | 60 | 12 | 52 | 53.75 |
| 25RB  | 62 | 13 | 54 | 55.75 |

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)



#### Specifications:

\* May Require Application Engineering

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

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