



### REPCO Airregen™

Patent Pending

Economical, single-tank REPCO **Airregen™** units use natural air oxidization plus filter media to treat low to moderate amounts of iron, manganese, and hydrogen sulfide odor. **Airregen™** units do not require salt, chemicals, or external air injectors. Contaminants in water are first oxidized through a compressed air pocket, then filtered and trapped by the media bed.

#### Benefits of Having Iron and Odor 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
- No more rotten egg sulfur smell when running the shower or faucet

#### Application Benefits:

- Eliminates iron, manganese, and hydrogen sulfide gas
- Standard **Airregen™** units are programmed on a 12-day timer, set to regenerate on the day and time of your choice
- Filters down to 20 – 40 micron

#### Removal Process:

- The REPCO **Airregen™** filter can use a variety of filter medias to filter Hydrogen Sulfide gas (odor), iron and manganese.

#### Dimensions:

Model	A	B	C	D
AR10R-*	56	9	48	49.75
AR15R-*	62	10	54	55.75
AR20R-*	60	12	52	53.75
AR25R-*	62	13	54	55.75

\*Choose Filter Media, May Require Application Engineering

A= Overall height in inches  
 B= Tank diameter in inches  
 C= Tank height in inches  
 D= Inlet height in inches  
 (specify ¾" or 1" Bypass, or 1 ¼" Yoke)

#### Specifications:

Model	Mineral Volume (Ft.3)	Peak Flow (GPM)	Backwash Rate (GPM)	Shipping Weight (Lbs)
AR10R-*	1	5.0	5.0	100
AR15R-*	1.5	7.0	5.0	145
AR20R-*	2	12.0	8.0	190
AR25R-*	2.5	15.0	10.0	235

\*Choose Filter Media, May Require Application Engineering

#### Standard Equipment Includes:

- REPCO **Airregen™** twin motor automatic backwashing control valve, capable of being custom tailored to your specific application
- Poly Glass Mineral Tank
- Full 1" Internal Piping
- 1" Stainless Steel Bypass (sold separately)
- Gravel Support Bed
- A variety of medias can be used to remove iron, manganese and hydrogen sulfide gas from your drinking water.
- **Airregen™** Pump, bracket

#### Required Conditions:

- Depending on filter media selection, influent water must be non-corrosive
- A pH of 8.5 or greater is required when manganese concentration is equal to iron concentration.
- A pH of 7.8 is required when manganese concentration is 50% iron concentration.
- A pH of 7.0 is required when manganese concentration is 10% iron concentration.
- Periodic backwashing is required



**Airregen™** Pump will be attached with bracket (image enlarged)



Every **Airregen™** comes with a 2.1 Gallon Water Expansion Tank (unless otherwise specified)- 41510

