

Iron Gate® System



The Iron Gate® Filter traps iron, manganese, and sulfur to eliminate staining and odors, murky water, sediment, and acid water.

Benefits of Iron Gate®:

- Removes hydrogen sulfide gas, rotten egg odor
- Filters iron and manganese, preventing reddish brown or black staining on bathroom and kitchen accessories.
- Correcting low pH will prevent corrosion of your water system and accessories.
- Filtering out turbidity problems will result in clearer, cleaner drinking water.
- Choice of filter medias save the expense of extra equipment by using a combination of minerals in one filter to remove many problems.

Standard Equipment Includes:

- Iron Gate® Aeration tank and AquaBubble™ Filter
- AB1TC Valve
- Bypass Valve (bypass connections sold separately, see page 3)
- Choice of filter media for application*
- Fiberglass Mineral Tanks
- Full 1" Internal Piping
- Automatic backwashing control valve, capable of being custom tailored to your specific application
- Auto Air Pump™, Auto Feed Pump™, or Micronizer
- Connecting Manifold with Meter and Meter Control
- Air-In connection
- Filtered and Unfiltered Sample Valves

Filter Dimensions:

Model	A	B	C	D
IG**-10***	56	9	48	49.75
IG**-15***	62	10	54	55.75
IG**-20***	60	12	52	53.75
IG**-25***	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)

* May Require Application Engineering
 **A (Auto Air Pump™), F (Auto Feed Pump™), M (Micronizer)
 ***Choose Media

Filter Specifications:

Model	Mineral Volume (Ft.3)	Peak Flow (GPM)	Back-wash Rate (GPM)	Shipping Weight (Lbs)
IG**-10***	1	5.0	5.0	140
IG**-15***	1.5	7.0	5.0	185
IG**-20***	2	12.0	8.0	240
IG**-25***	2.5	15.0	10.0	275

Removal Process:

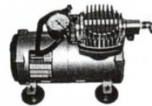
- The Iron Gate® Air Pump and Micronizer Filter Systems aerate the water increasing the dissolved oxygen (D.O.). This allows the media to catalyze the D.O. with hydrogen sulfide gas, iron and manganese compounds for filtration as well as correct pH and filter turbidity.
- The Iron Gate® Auto Feed Pump Filter System injects treatment material into the water.

Application Benefits:

- Auto Air Pump™ and Auto Feed Pump™ Systems are ideally suited for constant pressure or jet pump systems
- Standard Iron Gate® Systems 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:

- Depending on filter media selection, influent water must be non-corrosive
- For aeration units:
 - 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



Auto Air Pump™ AAP1-15



Auto Feed Pump™ (AXP004 LFHX)

