

BIRM IRON FILTER SYSTEMS

3150 2" SERIES



Model 1000 Filter Shown

Standard Features:

- Time Clock Control
- 2" Female Inlet/Outlet Connections
- Fleck 3150 Lead-Free Brass Valve
- Motor-Driven Piston-Operated
- Fiberglass Resin Tank (s)
- Ports for Pressure Gauges & Sample Valves

Birm Systems provide an effective method of removing dissolved iron from water supplies. It performs best when there is a sufficient amount of dissolved oxygen in the feed water supply.

Media Properties

Color:	Black
Mesh Size	10 x 40
Bulk Density	40 - 45 lbs/cf

Operating Considerations

Feed Water pH Range	6.8 – 9.0
Free Chlorine	Less than 0.5 ppm
Dissolved Oxygen must equal 15% of iron content.	
Alkalinity must be greater than 2x the combined sulfate and chloride concentration	

Custom Configurations Built to User Requirements

Systems can be built to fit a wide range of user applications
 ASME tanks available on request
 Skid mounting & Pre-Piping
 Custom Tailoring

PRODUCT SPECIFICATIONS

Model Number	Media Qty Cubic Feet	Sq. Ft. Bed Area	Media Tank Dia. X Ht	Service Operating Conditions			Tank and Valve Dimension Diameter x Height
				Continuous Service Flow	PSI Drop	Max Drain Flow	
1000	10	3.14	24" x 72"	16 gpm	5	40	24" x 82"
1500	15	4.91	30" x 72"	25 gpm	8	60	30" x 82"
2000	20	7.07	36" x 72"	35 gpm	9	85	36" x 82"
3000	30	9.62	42" x 88"	48 gpm	12	105	42" x 98"

Service flow rate is 3.5 to 5 gpm/sq.ft. Intermittent flow rates and /or favorable local conditions may allow higher flow rates

ADDITIONAL OPERATING INFORMATION

For use on potable water only.
 Not intended to be used to treat water that is micro biologically unsafe or of unknown quality.
 Installation must comply with all state and local codes.
 Tank dimensions are based on fiberglass only. Steel tanks dimensions will vary.
 Pressure drops are based on clean filter bed.
 Specifications subject to change without notice.

Operating Water Temperature Range	Max 100°	Minimum 35°
Operating Ambient Temperature Range	Max 120°	Minimum 35°
Operating Pressure Range	Max 125 psi	Minimum 20 psi
Electrical Requirements	110V-60Hz primary	
Feedwater Turbidity	5.0 N.T.U. Max	



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