

# AUTOMATIC IRON FILTER SYSTEMS

## IRON REMOVAL 3150 SERIES



Model 3150TBI1000HL

### 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 and manganese from water supplies. It performs best when there is a sufficient amount of dissolved oxygen in the feed water supply.

### Physical 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

## PRODUCT SPECIFICATIONS

Model Series	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	
3150TBI1000HL	10	3.14	24" x 72"	16 gpm	5	35	24" x 82"
3150TBI500STD	15.0	4.91	30" x 72"	25 gpm	8	60	30" x 82"
3150TBI2000HL	20.0	7.07	36" x 72"	35 gpm	9	85	36" x 82"
3150TBI3000HL	30.0	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  
 Specifications are subject to change without notice

### 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.  
 psi  
 Tank dimensions are based on fiberglass only. Steel tanks dimensions will vary.  
 operating  
 Pressure drops are based on clean filter bed.

Operating Water Temperature Range  
 Operating Ambient Temperature Range  
 Operating Pressure Range  
 Electrical Requirements  
 Feedwater Turbidity  
 Chlorine  
 Iron

Max 100°  
 Max 120°  
 Max 125 psi  
 110V-60Hz primary

Minimum 35°  
 Minimum 35°  
 Minimum 20 psi  
 24v-60hz  
 5.0 N.T.U. Max  
 1.0 mg/l Max  
 >5 mg/l Consult Aqua Systems



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