

# PRODUCT DATA SHEET

## BIRM AUTOMATIC IRON FILTER SYSTEMS

### MEDIUM FLOW COMMERCIAL 2750 SERIES



Model 2750TBI400STD

#### Standard Features:

- Time Clock Control
- 1" Female Inlet/Outlet Connections
- Fleck 2750 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	
2750TBI200STD	2.0	0.785	12" x 52"	4 gpm	2	7 gpm	12" x 59"
2750TBI300STD	3.0	1.06	14" x 65"	5 gpm	2	10 gpm	14" x 72"
2750TBI400STD	4.0	1.4	16" x 65"	7 gpm	3	15 gpm	16" x 72"
2750TBI500STD	5.0	1.76	18" x 65"	9 gpm	4	20 gpm	18" x 72"
2750TBI700STD	7.0	2.40	21" x 62"	12 gpm	5	25 gpm	21" x 72"

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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