

AUTOMATIC IRON FILTER SYSTEMS

IRON REMOVAL 3150 SERIES



Model 3150TIF1000HL

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

Manganese Greensand Systems provide an effective method of removing dissolved iron, manganese and hydrogen sulfide from water supplies. Systems are regenerable using continuous feed chemical treatment.

Physical Properties

Color: Black
 Mesh Size: 16 x 60
 Bulk Density: 85 lbs/cf

Operating Considerations

Feed Water pH Range: 6.2 – 8.5
 Free Chlorine: Less than 0.5 ppm
 Bed Depths:
 Anthracite Cap: 15 Inches
 Greensand Media: 24 Inches

Continuous feed of KMnO4 required. Recommend continuous feed of KMnO4 and chlorine to reduce operating cost and increase gallons through put.

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	
3150TIF1000HL	10	3.14	24" x 72"	16 gpm	5	35	24" x 82"
3150TIF1500HL	15	4.91	30" x 72"	25 gpm	8	60	30" x 82"
3150TIF2000HL	20	7.07	36" x 72"	35 gpm	9	85	36" x 82"
3150TIF3000HL	30	9.61	42" x 72"	48 gpm		100	42" x 100"

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	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	24v-60hz
Feedwater Turbidity		5.0 N.T.U. Max
Chlorine		1.0 mg/l Max
Iron		>5 mg/l Consult Aqua Systems



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