

Manganese Greensand Filters.

For Iron, H2S and Manganese Reduction Featuring The Autotrol 268FA Filter Valve.



Advantages:

- Simple regeneration with potassium permanganate
- High efficiency removal of iron, H2S and manganese over a wide range of pH.
- Periodic regeneration required.

Physical Properties of Media:

- Color - Black
- Density - 85#/cu.ft
- 16x60 Mesh
- Size - 0.35 mm
- Capacity per cu.ft.
 - Iron only=600 grains
 - Iron & Manganese=400 grains
 - Hydrogen Sulfide=175 grains

Brief Description:

- Manganese Greensand is a manganese dioxide coated media that acts as catalyst to oxidize the iron, H2S and manganese in the water supply.

Filter Controls:

- Autotrol 268FA filter valve with 12-volt 740 Logix timer.
- Programmable days to regenerate.
- The durable 268 valve features a lifetime parts warranty.



Conditions of Operation:

- Oil must not be present.
- pH range - 6.2 to 8.5.
- Prechlorination will enhance removal of contaminants.
- Bed depth - 24" to 30".
- 1.5 to 2.0 ounces of KMnO4 per cu.ft. for regeneration.
- Service flow rate: 3.5-5 gpm/sq.ft.
- Backwash flow rate: 10-12 gpm/sq.ft.

Model Number	Birm Cu.Ft.	Tank Size	Service Flow	Backwash Flow
268-IF2-9	1.0	9 x 48	4.5	5.0
268-IF2-10	1.5	10 x 54	5.5	6.0
268-IF2-12	1.8	12 x 48	6.0	8.0
268-IF2-13	2.5	13 x 54	6.5	10.0

Manganese Greensand is a purple-black media. It is manganese dioxide coated which acts as a catalyst that causes an oxidation reduction reaction of iron and manganese. The contaminants are oxidized and must be backwashed out periodically. When the oxidizing capacity of the mineral is exhausted, the bed must be regenerated with a weak solution of potassium permanganate (KMnO4).



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