

Filter-Ox™ Regen

Greensand
Replacement

Filter-Ox™ is an engineered media that utilizes a super high purity manganese dioxide coating bonded to a durable, lightweight silica substrate which is capable of reducing iron, manganese and hydrogen sulfide from water through oxidation and filtration. Soluble iron and manganese are oxidized and precipitated by contact with higher oxides of manganese on the Filter-Ox granules. The hydrogen sulfide is reduced by oxidation to an insoluble sulfur precipitate. Precipitates are then filtered and removed by back-washing. When the oxidizing capacity power of the Filter-Ox bed is exhausted, the bed has to be regenerated with a weak potassium permanganate (KMnO₄) solution thus restoring the oxidizing capacity of the bed. Filter-Ox media is Made in The USA.

ADVANTAGES

- Iron reduction over wide pH range.
- Effective reduction of hydrogen sulfide, in addition to iron and/or manganese.
- No harmful effects from a chlorine feed.
- Low attrition for long bed life.

CONDITIONS FOR OPERATION

- Water pH range: 6.2-8.5
- Maximum water temperature: 80°F/26.7°C
- Bed depth: 30 in.
- Freeboard: 40% of bed depth (min.)
- Regeneration: 1.5-2 oz of KMnO₄ by weight per cu. ft.
- Service flow rate: 2-12gpm/sq. ft.
- Backwash flow rate: 12gpm/sq. ft.
- Backwash bed expansion: 40% of bed depth (min.)
- Maximum practical limit of iron (Fe++) or manganese (Mn++) in raw water: 15ppm
- Maximum practical limit of hydrogen sulfide (H₂S): 5ppm

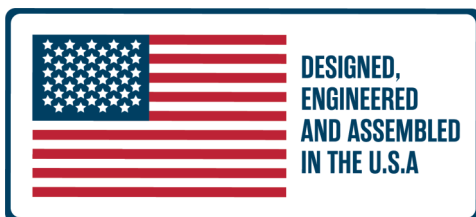
Fleck 2510 Control Valve Features

- Fully adjustable 5-cycle top mount control delivers controlled downflow regeneration and slow rinse, rapid rinse, regenerant refill and downflow service.
- Time-tested hydraulically balanced piston, seal and spacer concept to control service flow and regeneration
- Non-corrosive, high-tech material construction.
- Excellent flow rates – 19 GPM continuous, 24 GPM peak
- Backwash capacity handles tanks up 16" diameter for filter applications.
- 12 day clock initiated regeneration.



Filtration system for removing iron, manganese and hydrogen sulfide from water through oxidation and filtration.

Authorized Distributor:



Providing service after the sale since 1967.

