

# ZM ZEO 75

(High Iron Removal)



ZM Zeo75' s Manganese Zeolite (Premium Grade) is the filter media used for high removal soluble iron, manganese and hydrogen sulfide from water supplies to through oxidation and filtration. Soluble iron and manganese are oxidized and precipitated by contact with higher oxides of manganese. The hydrogen sulfide is reduced by oxidation to an insoluble sulfur precipitate. It also has the capacity of removing radium and arsenic in water treatment application.

## ADVANTAGES

- Iron reduction over wide pH range
- Iron removal efficiency is extremely high
- No harmful effects from a chlorine feed
- Low attrition for long bed life

## PHYSICAL PROPERTIES

- Color : Black or Dark Brown
- Density : 40 - 45 lbs. /cu. ft.
- Effective size : 12x40 mesh

## CONDITIONS FOR OPERATION

- Regeneration : 1.5-2 of  $KMnO_4$  by weight per cu. ft.
- Maximum water temp : 100° F/38° C
- Water pH range : 6.5 — 9.0
- Bed depth : 30 - 36 in.
- Freeboard : 50% of bed depth (min.)
- Service flow rate : 3-5 gpm/sq. ft.
- Backwash flow rate : 10-12 gpm/sq. ft.
- Backwash bed expansion : 20 - 40% of bed depth (min)

## PACKAGE

- NW. : 28.3 liter /bag

