

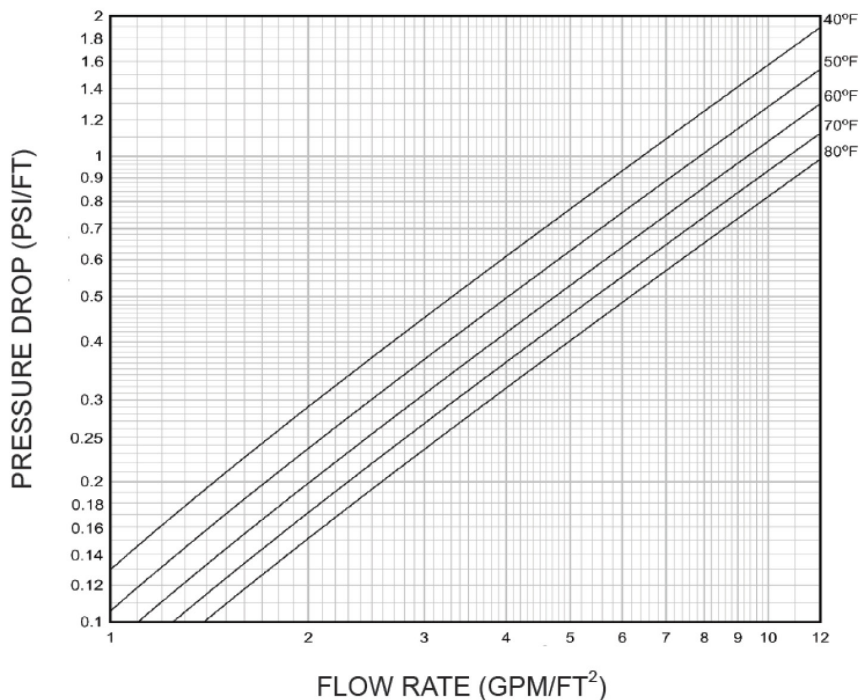


Iron Oxide 1 S (Green Sand) PRODUCT DATA SHEET

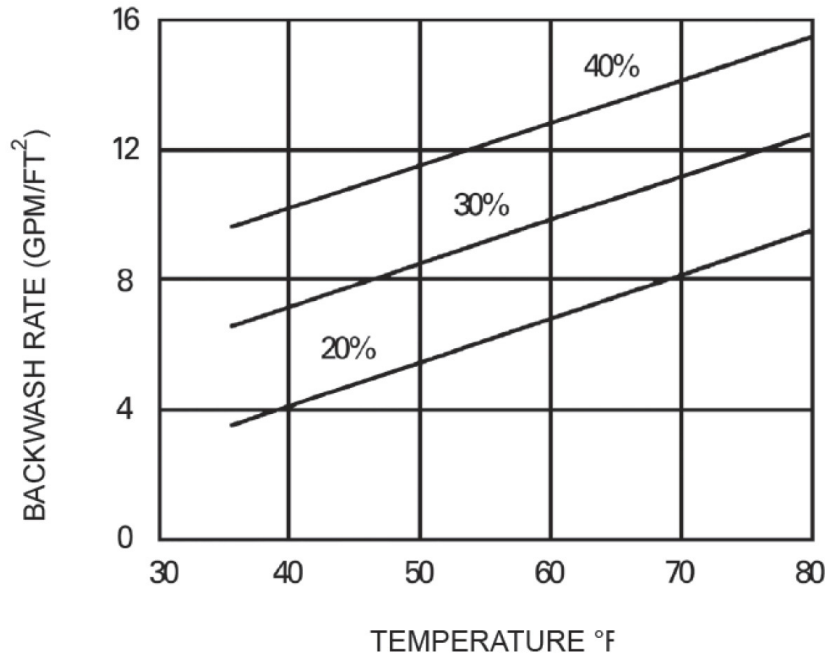
Eaglesorb Iron Blend I is a black filter media used for removing soluble iron, manganese, hydrogen sulfide, arsenic and radium from groundwater supplies. The manganese dioxide coated surface of Eaglesorb Iron Blend I acts as a catalyst in the oxidation reduction reaction of iron and manganese. The silica sand core of Eaglesorb Iron Blend I allows it to withstand waters that are low in silica, TDS and hardness without breakdown. Eaglesorb Iron Blend I is effective at higher operating temperatures and higher differential pressures than standard manganese greensand. Tolerance to higher differential pressure can provide for longer run times between backwashes and a greater margin of safety. Systems may be designed using either vertical or horizontal pressure filters, as well as gravity filters.

Eaglesorb Iron Blend I is a proven technology for iron, manganese, hydrogen sulfide, arsenic and radium removal. Unlike other media, there is no need for extensive preconditioning of filter media or lengthy startup periods during which required water quality may not be met. Eaglesorb Iron Blend I is an exact replacement for manganese greensand. It can be used in CR or IR applications and requires no changes in backwash rate or times or chemical feeds. Eaglesorb Iron Blend I has compliance with NSF/ANSI 61.

Pressure Drop
(Clean Bed)



Bed Expansion During Backwash



Physical Form

Black, nodular granules shipped in dry form

Apparent Density

88 pounds per cubic foot net

Shipping Weight

90 pounds per cubic foot gross

Specific Gravity

Approximately 2.4

Porosity

Approximately 0.45

Screen Grading (dry)

18 x 60 mesh

Effective Size

0.30 to 0.35 mm

Uniformity Coefficient

Less than 1.60

pH Range

6.2 - 8.5 (See General Notes)

Maximum Temperature

No Limit

Backwash Rate

Maximum 12 gpm/sq. ft. at 55°

Service Flow

2 - 12 gpm/sq. ft.

Minimum Bed Depth

15 inches of each media for dual media beds or 30 inches of GreensandPlus alone