SLS TECHNOLOGY

DMI-65 Iron Removal Filter

Iron/Manganese/ Arsenic Removal

MEDIA FILTRATION SYSTEMS

SLS filtration equipments feature an excellent design with high quality components to offer high performance. SLS systems are designed for longest life span with minimum energy consumption. Experience greater savings with lower maintenance and operation costs when you install a SLS filtration equipment.

Advantages of
DMI-65 Iron Removal Filter

Eliminates Potassium	PermanganateContinuous injection of sodium hypochlorite to low (0.2ppm) residual acts as an activator for the media and provides a residual sanitizer effect.
Wide pH range	Stable and satisfactory performance at pH 5.8 to 8.6.
High Flow Rates	DMI-65 operates satisfactorily at linear filtration velocities of up to twice that of conventional media, reducing capital costs considerably.
Higher Operating Temperatures	Maximum operating temperature of 45°C.
Long Life	DMI-65 is not consumed in the catalytic oxidation process,.
System Compatibility	Physical properties are similar to that of other comparable systems, allowing a change of media without major hardware modifications.
Arsenic Removal	DMI-65 has been shown to remove arsenic associated with iron-containing influent. Ferric chloride is used when treating feedwaters with high arsenic feed levels.

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Product Description:

Well water from the faucet or tap is usually clear and colorless. However, when water containing colorless, dissolved iron is allowed to stand in a cooking container or comes in contact with a sink or bathtub, the iron combines with oxygen from the air to form reddish-brown particles (commonly called rust). Manganese forms brownish-black particles. These impurities can give a metallic taste to water or to food.

The rusty or brown stains on plumbing fixtures, fabrics, dishes, and utensils cannot be removed by soaps or detergents. Bleaches and alkaline builders (often sodium phosphate) can make the stains worse. Over time, iron deposits can build up in pressure tanks, water heaters, and pipelines, reducing the quantity and pressure of the water supply.

DMI-65 is the most advanced catalytic water filtration media that we used in our iron removal filtration system which has extremely high capabilities of removing both Iron (Fe) and Manganese (Mn) simultaneously through low cost catalytic oxidation and retention of precipitate. The DMI-65 will also remove arsenic from a water supply given the correct conditions.

The DMI-65 is one of the fewer catalytic water filtration media's in the world developed to remove iron and manganese that is certified to NSF/ANSI 61 for drinking water applications.

Specifications:

Model	Media Volume	Desgined Flow Rate		Control Valve	In/Outlet	Tank Dimension
IRF-1035	30 Liters	5.5GPM	17LPM	5600FT	3/4"	10" x 35"
IRF-1054	50 Liters	6.6GPM	25LPM	5600FT	3/4"	10" x 54"
IRF-1354	70 Liters	11GPM	42LPM	5600FT	3/4"	13" x 54"
IRF-1465	100 Liters	13.5GPM	50LPM	WS1-TC	1"	14" x 65"
IRF-1665	120 Liters	20GPM	75LPM	WS1-TC	1"	16" x 65"
IRF-1865	150 Liters	21.5GPM	80LPM	2850FT	1-1/2"	18" x 65"
IRF-2162	200 Liters	24GPM	92LPM	2850FT	1-1/2"	21" x 62"
IRF-2472	300 Liters	36GPM	137LPM	2850FT	1-1/2"	24" x 72"
IRF3672	600 Liters	71.5GPM	270LPM	170	2"	36" x 72"
IRF-4872	1200 Liters	119GPM	450LPM	170	3"	48" x 72"

DMI-65 Media
0.6 - 0.7mm

Small Gravel
3 - 8mm

Product Material:

Control Valve: Fleck / Clack / Autotrol/ Manual.
Tank: glass-fiber reinforced polyethylene.
Treating material: DMI-65 + Small Gravels
Distributor: PE

Working Conditions:

Max working pressure.....6 BAR
Min working pressure.....2 BAR
Max working temperature.....50°C

Raw water source and quality is the key element that directly effect on the choice of filtration equipments. SLS is a worldwide leader in the residential and commercial water treatment industry. Our mission is to become the most customer-conscious, highest quality, lowest-cost producer in our industry. Please don't hesitate to send us your inquiry and see how SLS can help to meet your water treatment needs.

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