

Manox is a granular water filtration media used for the removal of arsenic, iron and manganese. Through a natural chemical reaction, Manox has the ability to help you produce clean, high-quality water. Manox works because of a catalyst reaction whereby iron and manganese are oxidized on the media. Daily backwashing then flushes trapped particulate from the filter bed.

Applications:

Filtermedia for catalytic removal of dissolved iron, manganese and arsenic with the following advantages

- · passes its activity on to the surrounding sand grains,
- does not require ideal pH environment,
- does not require regeneration by KMnO4.

Conditions for Operation:

pH : 6.5-9.0

Bed Design : Suggested 100 cm sand and 10 - 40 cm Manox. Dependent on application and water quality.

Freeboard : 40% of bed depth (min.)

Service flow rate : 10 – 15 m/h Backwash flow rate : 40 m/h

Packaging:

30 kg bags.

MnO2	mass-%	75
Fe2O3	mass-%	6.8
SiO2	mass-%	4.6
Al2O3	mass-%	2.5
Moisture	mass-%	< 1
Physical char	racteristics (/	Average)
Density	g/cm3	3.6
Bulk density	kg/m3	2000
Shape		irregular
Colour		dark brown to blac
Sizes available		0.5-1.6 mm