Application of AQUA-MANDIX

Aqua-Mandix can either be used neat or mixed with sand when iron and manganese is a problem. The principle function of the Aqua-Mandix can be explained as catalytic operation because of its strong oxygen group. Aqua-Mandix consists of 65 to 80% MnO2.The mechanism of oxidation of the dissolved iron and manganese is one of electron transfer to the catalyst, which in return is re-oxidised by the dissolved oxygen in the water.
Just 10% of Aqua-Mandix has to be put on top of the filter-sand for iron/manganese concentrations up to 0.25 mg/litre, 20% for 0.50 mg/litre Fe/Mn and 30% for raw water concentrations up to 0.75 mg/litre Mn.
Since Aqua-Mandix is more dense than sand it will find its way approximately 50 – 70 cm deep in the sand bed. In this way Aqua-Mandix in a sandwich-position between sand-layers allowing the top sand layer to prefilter, the Aquamandix will remove the rest of the iron and manganese and any precipitate caught in the rest of the sand.

Before use the system should be backwashed 3 times before putting in to service to remove fines.
Warning: Pre-chlorination is allowed when you use a controlled level of not more than 0.5mg/litre chlorine. If however you do a high chlorination for example for disinfecting the product will loose its activity.