IRON AND MANGANESE REMOVAL EQUIPMENT

In case of drilled wells, the high dissolved iron, and occasionally, manganese content of the water is often a problem. These ions, present in the water in dissolved form, cause no discolouration, but are precipitated when exposed to the air's oxygen, causing a brownish-yellowish discolouration in the water and on the surfaces in contact with it.

When applying our iron removal equipment, the pre-oxidation of the water's iron content is necessary. As a consequence of oxidation, the iron ions dissolved in the water are precipitated, and can thus be filtered. For dosing the oxidising agent, we recommend the Navidos quantity-proportional chemical dosing device (page 35), that adds the required chemical proportionally to the quantity of the water to be treated.
Following the oxidation, the filter charge of the equipment filters out the precipitated iron and manganese ions, thereby preventing discolouration of the water and its contact surfaces.

DX-VSZ-MMF-250-760 - Automatic iron removal equipment range

ron removal equipment with a graded fired quartz charge to filter out high iron content. Time controlled design, i.e. rinseback of the charge is performed at regular intervals.

DX-VSZ-AMF-250-760 - Automatic iron and manganese removing equipment range

An equipment developed to filter out high iron and manganese content with graded fired quartz and catalytic charge. The oxidising agent we provide may be used for the equipment.

Technical specifications:

Type	Performance (m^3/h)	Reflux volume flow (m^3/h)	Column	Connection (col)	Filling quantity (l)	Filter size (mm)	
						Diameter	Height (with control head)
DX-VSZ-250-MMF-A/T-1 iron removal	0,506	1,52	10 x 54	1	46	260	1580
DX-VSZ-250-AMF-A/T-1 iron and manganese removal	0,405	1,52	10 x 54	1	46	260	1580
DX-VSZ-300-MMF-A/T-1 iron removal	0,856	2,57	13 x 54	1	77	340	1570
DX-VSZ-300-AMF-A/T-1 iron and manganese removal	0,685	2,57	13 x 54	1	77	340	1570
DX-VSZ-350-MMF-A/T-1 iron removal	0,993	2,98	14 x 65	1	105	370	1850
DX-VSZ-350-AMF-A/T-1 iron and manganese removal	0,794	2,98	14 x 65	1	105	370	1850
DX-VSZ-400-MMF-A/T-1 iron removal	1,297	3,89	16 x 65	1	128	410	1860
DX-VSZ-400-AMF-A/T-1 iron and manganese removal	1,037	3,89	16 x 65	1	128	410	1860
DX-VSZ-500-MMF-A/T-1,25 iron removal	2,233	6,70	21 x 60	1,25	232	560	1910
DX-VSZ-500-AMF-A/T-1,25 iron and manganese removal	1,787	6,70	21 x 60	1,25	232	560	1910
DX-VSZ-600-MMF-A/T-1,5 iron removal	2,917	8,75	24 x 72	1,5	370	620	2110
DX-VSZ-600-AMF-A/T-1,5 iron and manganese removal	2,334	8,75	24 x 72	1,5	370	620	2110
DX-VSZ-760-MMF-A/T-1,5 iron removal	4,558	13,67	30 x 72	2	534	770	2260
DX-VSZ-760-AMF-A/T-1,5 iron and manganese removal	3,646	13,67	30 x 72	2	534	770	2260

AMF: active media filter MMF: multimedia filter A: automatic T: time-controlled 1: connection size 1"