

## FILTRATION: IRON AND MANGANESE FILTERS



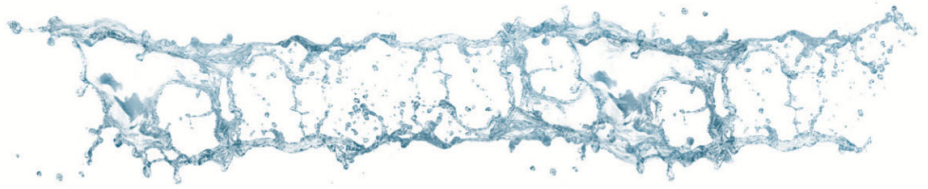
Lubron's range of pressure filter systems is readily configured for removing both particulates and various dissolved species in effluent, ground, process and surface waters.

The filters are based on an extensive range of high quality steel vessels, built to the latest European standards, with excellent internal access. The manifolds, available in PVC or, to special order, stainless steel, incorporate pneumatic or motorised backwash control valves, which are governed by a dedicated programmable microprocessor unit.

The most common applications include

- for iron and manganese removal from borehole water
- for the removal of particulates in effluent, process and surface waters
- for elimination of organics, such as pesticides and chlorine.

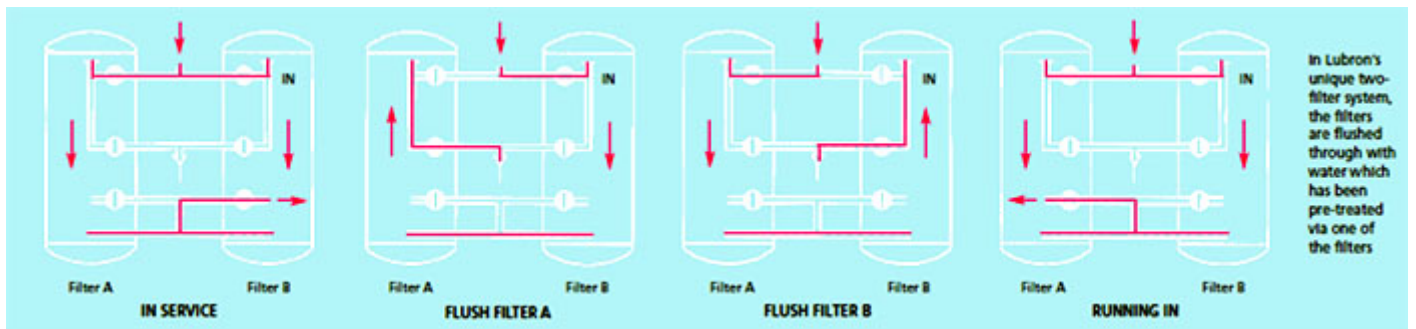
**Iron removal from groundwater and borehole supplies** calls for a knowledge of both the chemical reactions involved and how to engineer systems to ensure these can work effectively. Un-aerated groundwater usually contains dissolved iron salts. Introducing oxygen or air to the water causes.



## TECHNICAL DATA - IRON AND MANGANESE FILTERS

MODEL	Maximum service flow rate m <sup>3</sup> /hr	Typical pressure drop bar	Required backwash flow m <sup>3</sup> /hr	Inlet mm	Outlet mm	Overall dimensions Width/Depth/Height mm
ZF/MF 1-800	5	0.38	12	40	40	1200/1200/2300
ZF/MF 1-900	7	0.49	16	50	50	1300/1450/2650
ZF/MF 1-1000	9	0.39	20	50	50	1400/1500/2750
ZF/MF 1-1250	14	0.47	31	65	50	1650/1850/3050
ZF/MF 1-1500	20	0.48	44	65	65	1900/2100/3200
ZF/MF 1-1600	24	0.50	50	80	65	2000/2300/3150
ZF/MF 1-1700*	27	0.40	57	80	65	2100/2500/3200
ZF/MF 1-1800*	30	0.43	64	80	65	2200/2450/3550
ZF/MF 2-800	10	0.55	12	40	40	2200/1200/2300
ZF/MF 2-900	14	0.45	16	50	50	2400/1400/2650
ZF/MF 2-1000	18	0.55	20	50	50	2600/1450/2750
ZF/MF 2-1250	28	0.45	31	65	65	3150/2000/3050
ZF/MF 2-1500	40	0.50	44	80	80	3800/2350/3200
ZF/MF 2-1600	48	0.57	50	100	100	4000/2250/3150
ZF/MF 2-1700*	54	0.65	57	100	100	4150/2400/3200
ZF/MF 2-1800*	60	0.48	64	100	100	4350/2400/3550

\*After backwash, to special order. Dimensions shown are for reference only. Contact Lubron for certified drawings. ZF/MF 1-800 to ZF/MF 1-1800 are single vessel. ZF/MF 2-800 to ZF/MF 2-2800 are twin vessel.



LUBRON UK LIMITED reserve the right to change equipment specification without prior notice, as part of our continuous product development programme.



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