

## FILTRATION: SAND FILTERS

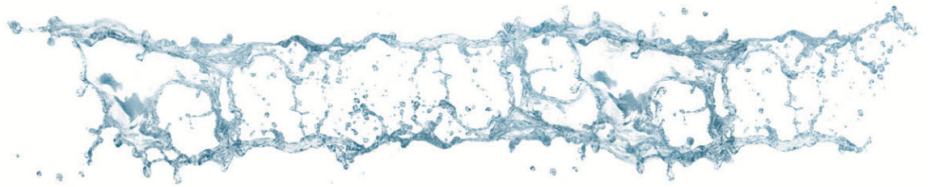


Lubron's range of pressure filter systems is readily configured for removing both particulates and various dissolved species in effluent, ground, process and surface waters.

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.



**SAND FILTERS -** Typical applications of Lubron’s filters when configured with sand media:

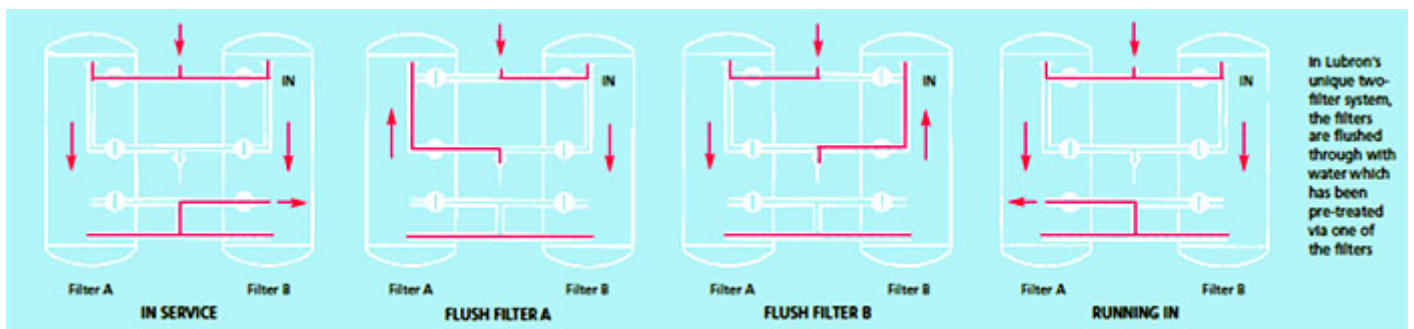
- removal of particulates from effluent water (primary or polishing)
- for filtering coagulated suspended solids (such as for algae or other debris)
- as a pre-treatment for any effluent or surface derived source.

It is always important to establish the appropriate effective chemical and flow conditions, either by trial or experimentation, and the programmable backwash is highly configurable to ensure thorough cleaning for any filtrate.

**TECHNICAL DATA - SAND 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
WF 1-800	15	0.55	12	63	63	1200/1200/2300
WF 1-900	19	0.73	16	63	63	1300/1450/2650
WF 1-1000	24	0.53	20	75	75	1400/1500/2750
WF 1-1250	38	0.60	25	90	90	1650/1850/3050
WF 1-1500	53	0.77	28	90	90	1900/2100/3200
WF 1-1600	60	0.52	50	110	110	2000/2300/3150
WF 1-1700*	68	0.59	57	110	110	2100/2500/3200
WF 1-1800*	76	0.67	64	110	110	2200/2450/3550
WF 2-800	30	0.63	12	75	75	2200/1200/2300
WF 2-900	38	0.85	16	75	75	2400/1400/2650
WF 2-1000	48	0.62	20	90	90	2600/1450/2750
WF 2-1250	76	0.85	25	110	110	3150/2000/3050
WF 2-1500	106	0.94	44	110	110	3800/2350/3200
WF 2-1600	123	0.49	50	110	110	4000/2250/3150
WF 2-1700*	136	0.54	57	110	110	4150/2400/3200
WF 2-1800*	152	0.62	64	110	110	4350/2400/3550

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