

Iron Removal Pyrolusite multi-valves ECO ECO Simplex F-ECO-MV-PY-S



2,0 to 30 m³/h



FILTRATION

PYROLUSITE MULTI-VALVES ECO FILTERS

SIMPLEX AUTOMATIC

- ☉ This range of Iron Removal multi-valves filters treats the iron and the manganese. These units with pre-assembled front arrays are ready for implementation. These filters can handle flow rates from 2.0 to 30 m³/h. Iron and manganese are catalytically oxidized before being mechanically filtered on a filter bed composed of Gravel support and Pyrolusite. The cleaning is achieved with backwash and fast rinse.
- ☉ The backwash can be done with raw or filtered water.
- ☉ The filters are controlled by the NXT Stager Controller (220V) with rotating distributor and with normally closed pneumatic valves. The pressure vessels are made out of Epoxy resin reinforced with fiberglass and a PE liner. As a standard, the cleanings of the filters are carried out on an adjustable time base (clock).
Other equipment : sampling valve, up flow and down flow pressure gauge, air vent.
- ☉ Optionally, the cleaning cycles can be started according to a volume of filtered water (water meter) or according to a pressure drop (differential pressure gauge).
- ☉ NXT stager controller inputs and outputs :
 - Inputs : differential pressure contact or other remote triggering, ban to start backwashing, pulse emitter water meter.
 - Outputs : configurable output (dosing control or GTC information), "washing in process" micro switch, "control of backwash pump" micro switch.



NXT Stager Controller

APPLICATIONS

- Iron removal of drilling water.
- Demanganization of drilling water.

Performances:

May require the addition of an oxydant (air, chlorine, ozone, permanganate...)

Media according to feed water analysis :

- Gravel +50% sand +50% pyrolusite
- Gravel +100% pyrolusite

Pyrolusite multi-valves ECO filters Simplex F-ECO-MV-MC-S

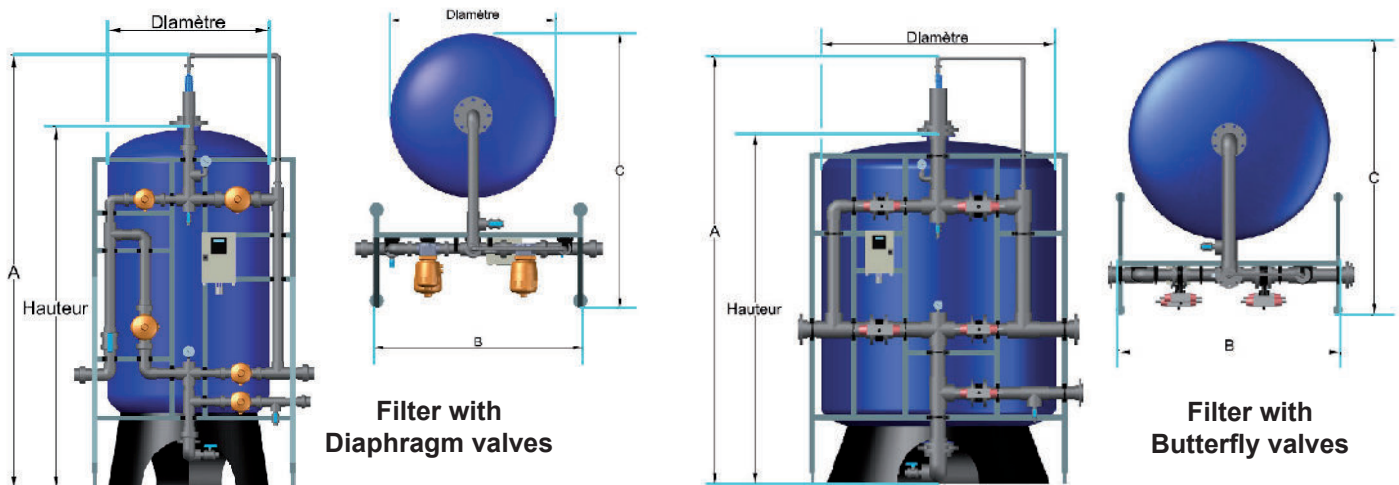
TECHNICAL INFORMATIONS

Bottle type	Diameter (m)	Surface (m ²)	Max flow rate m ³ /h @15m ³ /h/m ²	Min. Backwash m ³ @25m ³ /h/m ²	Array DN	Valve type
18 x 65"	0,495	0,192	2,9	5	25	Diaphragm valve
21 x 62"	0,559	0,245	3,7	6	25	
24 x 72"	0,618	0,300	4,5	7	32	
30 x 72"	0,780	0,478	7,2	12	40	
36 x 72"	0,930	0,679	10,2	17	40	
42 x 72"	1,110	0,967	14,5	24	50	
48 x 72"	1,230	1,188	17,8	30	65	Buttefly valve
58 x 72"	1,500	1,766	26,5	44	80	
63 x 86"	1,598	2,005	30,1	50	80	

○ Dynamic operating pressure : 2,5 to 7 bars

○ Maximum operating temperature : 35°C

REFERENCES AND FOOTPRINTS



Reference	Type	Diameter	Height	A	B	C
		m				
F-ECO-MV-S-PY-18	18 x 65"	0,50	1,86	2470	860	1010
F-ECO-MV-S-PY-21	21 x 62"	0,56	2,06	2530	890	1035
F-ECO-MV-S-PY-24	24 x 72"	0,62	2,17	2630	890	1140
F-ECO-MV-S-PY-30	30 x 72"	0,78	2,14	2620	940	1310
F-ECO-MV-S-PY-36	36 x 72"	0,93	2,20	2660	990	1540
F-ECO-MV-S-PY-42	42 x 72"	1,11	2,40	2880	1290	1630
F-ECO-MV-S-PY-48	48 x 72"	1,23	2,40	2910	1290	1710
F-ECO-MV-S-PY-58	58 x 72"	1,50	2,42	3000	1250	2260
F-ECO-MV-S-PY-63	63 x 86"	1,60	2,47	3050	1250	2300



ADH2OC INDUSTRIAL
 Headquarters
 3, Rue Kercoz
 22 220 TRÉGUIER - FRANCE
 Tel +33 (0)2 96 40 02 50
 Fax +33 (0)2 22 44 98 48
 www.adh2oc-industrial.com

Workshop
 Lieudit «La Vallée Douard»
 28500 CHÉRISY - FRANCE
 Tel +33 (0)2 37 50 20 79
 Fax +33 (0)2 22 44 98 48
 e-mail : infos@adh2oc-industrial.com