

# WS Automatic Iron Removal Pyrolusite Filters



Clack valves WS100 – WS125 – WS150 et WS200  
Chronometrics simplex or duplex iron removal Pyrolusite filters  
equipped with 1", 1 ¼", 1 ½" et 2" central valve

## INDUSTRIAL FILTRATION

### IRON REMOVAL PYROLUSITE FILTERS

- Iron removal pyrolusite filters high flow with valves WS100, WS125, WS150 or WS200 up to 10.18m<sup>3</sup>/h.
- Electronic CI controller able to adjust all operating parameters.
- Simplex or alternating duplex on chronometric mode.
- Option : Can work on differential pressure.
- « No Bypass » option on simplex.
- Filters specially designed for wide range applications : Industry, agriculture, building, communities.
- Working cycle : Filtration, Backwash, and rinse.



ASSEMBLED IN  
OUR WORKSHOPS



### DELIVERY INCLUDE:

- Chronometric electronic valve WS, fittings, internal pipe with strainer.
- Glass fiber Tank.
- Micro switch in option.
- Media according to feed water analysis :
  - Gravel + 50% sand + 50% pyrolusite
  - Gravel + 100% pyrolusite

### APPLICATIONS

- Iron removal of drilling water.
- Manganese removal of drilling water.

#### Performance :

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

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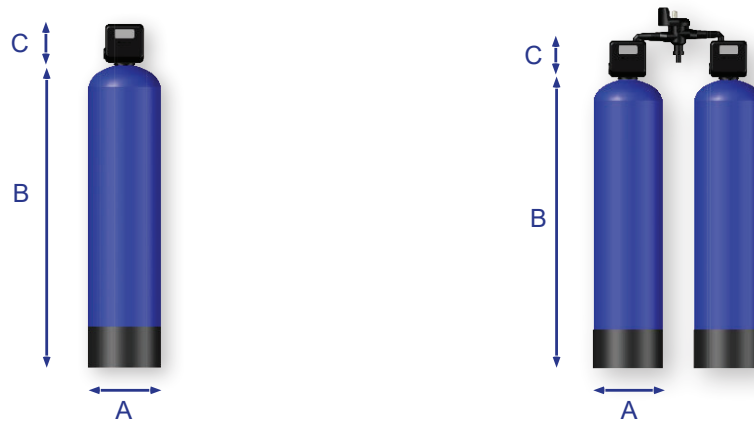
## TECHNICAL CHARACTERISTICS

Filters Reference		Valve	Tank	Surface	Max flow	Min flow in Backwash
Simplex	Duplex	In/Out	Type	m <sup>2</sup>	m <sup>3</sup> /h @15m <sup>3</sup> /h/m <sup>2</sup>	m <sup>3</sup> /h @25m <sup>3</sup> /h/m <sup>2</sup>
WS100-FPY-S-1054	WS100-FPY-D-1054	1"	10 x 54	0.05	0.79	1.3
WS100-FPY-S-1354	WS100-FPY-D-1354	1"	13 x 54	0.09	1.32	2.2
WS100-FPY-S-1465	WS100-FPY-D-1465	1"	14 x 65	0.11	1.60	2.7
WS100-FPY-S-1665	WS100-FPY-D-1665	1"	16 x 65	0.13	2.01	3.3
WS100-FPY-S-1865	WS100-FPY-D-1865	1"	18 x 65	0.19	2.89	4.8
WS125-FPY-S-2162	WS125-FPY-D-2162	1 ¼"	21 x 62	0.25	3.68	6.1
WS150-FPY-S-2472	WS150-FPY-D-2472	1 ½"	24 x 72	0.30	4.50	7.5
WS150-FPY-S-3072	WS150-FPY-D-3072	1 ½"	30 x 72	0.48	7.16	11.9
WS200-FPY-S-3672	WS200-FPY-D-3672	2"	36 x 72	0.68	10.18	17.0

Operating pressure : 2,0 to 8,5 bar

Connection diameter : depending valves, 1", 1.25", 1.5" ou 2"

Operating temperature : 4 to 43°C



Filters References		Dimensions		
Simplex	Duplex	A (mm)	B (mm)	C (mm)
WS100-FPY-S-1054	WS100-FPY-D-1054	259	1381	190
WS100-FPY-S-1354	WS100-FPY-D-1354	335	1398	190
WS100-FPY-S-1465	WS100-FPY-D-1465	369	1674	190
WS100-FPY-S-1665	WS100-FPY-D-1665	413	1705	190
WS100-FPY-S-1865	WS100-FPY-D-1865	495	1722	190
WS125-FPY-S-2162	WS125-FPY-D-2162	559	1721	190
WS150-FPY-S-2472	WS150-FPY-D-2472	618	1918	235
WS150-FPY-S-3072	WS150-FPY-D-3072	780	2140	235
WS200-FPY-S-3672	WS200-FPY-D-3672	930	2150	235



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