

# WS automatic Multilayers filters



Clack valves WS100 – WS125 – WS150 et WS200  
Multilayers chronometrics simplex or duplex filters  
with a central valve 1", 1 ¼", 1 ½" and 2"



## INDUSTRIAL FILTRATION

### WS AUTOMATIC MULTILAYERS FILTERS

- Multilayers 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, alternating duplex or parallel 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.



### FILTERS SHIPPED WITH

- Chronometric electronic valve WS, fittings, internal pipe with strainer.
- Glass fiber Tank.
- 1 filtration volume (gravel / sand / anthracite).
- *For alternating duplex* : 3 way alternating valve.
- *For parallel duplex* : 2 way isolation valve.
- Pressure differential transmitter in option.
- Micro switch in option.

### APPLICATIONS

- Filtration by take-off from cooling towers (3 to 5% of the circuit flow rate).
- Filtration on makeup of cooling tower.
- Filtration of well water.
- Filtration for reverse osmosis pre-treatment, ion exchanger bed.
- Filtration at factory inlet.

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## TECHNICAL CHARACTERISTICS

Filters References		Valve	Tank	Surface	Flows m <sup>3</sup> /h		Min flow in backwash
Simplex	Duplex : Parallel - XX= DP	In/Out	Type	m <sup>2</sup>	15m/h	20m/h	m <sup>3</sup> /h @25m <sup>3</sup> /h/m <sup>2</sup>
	Duplex : alternating - XX= DA						
WS100-FMC-S-1054	WS100-FMC-XX-1054	1"	10 x 54	0.05	0.79	1.00	1.3
WS100-FMC-S-1354	WS100-FMC-XX-1354	1"	13 x 54	0.09	1.32	1.80	2.2
WS100-FMC-S-1465	WS100-FMC-XX-1465	1"	14 x 65	0.11	1.60	2.60	2.7
WS100-FMC-S-1665	WS100-FMC-XX-1665	1"	16 x 65	0.13	2.01	3.80	3.3
WS100-FMC-S-1865	WS100-FMC-XX-1865	1"	18 x 65	0.19	2.89	3.80	4.8
WS125-FMC-S-2162	WS125-FMC-XX-2162	1 ¼"	21 x 62	0.25	3.68	5.00	6.1
WS150-FMC-S-2472	WS150-FMC-XX-2472	1 ½"	24 x 72	0.30	4.50	6.00	7.5
WS150-FMC-S-3072	WS150-FMC-XX-3072	1 ½"	30 x 72	0.48	7.16	9.60	11.9
WS200-FMC-S-3672	WS200-FMC-XX-3672	2"	36 x 72	0.68	10.18	13.60	17.0

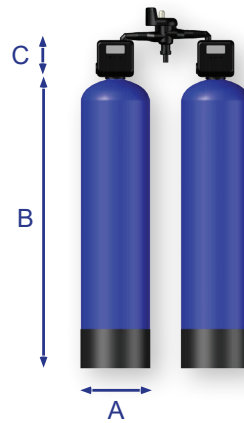
Operating pressure : 2,0 to 8,5 bar

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

Operating temperature : 4 to 43°C



**SIMPLEX**



**DUPLEX**

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



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