MTS/APIC FILTER

SELF CLEANING AUTOMATIC FILTER
FMA2000

Technical changes reserved | Rev.: 016.25.09

-> TO THE PRODUCT

The self-cleaning automatic filter FMA 2000 provides a reliable and efficient solution for a wide range of filtration requirements – from drinking water treatment plants and cooling circuits to the food industry and agricultural irrigation systems.

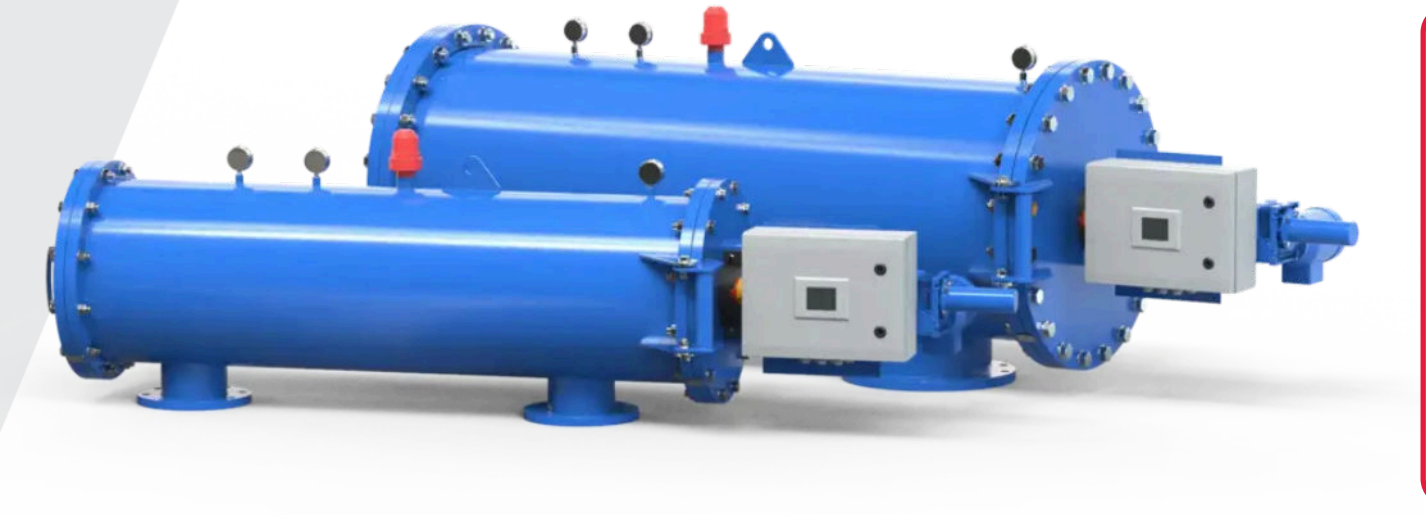
Thanks to its automatic self-cleaning mechanism, it ensures continuous operation without maintenance interruptions while reducing water and energy consumption.

Key features

- Cleaning via suction nozzle unit.
- Minimal water consumption during cleaning: less than 0.1% of total flow per cleaning cycle.
- Large filter area of up to 21,300 cm².
- Cleaning triggered by differential pressure and/or time.
- Low power consumption.
- No interruption of water supply to downstream systems.
- Electronically monitored cleaning with flexible control options.

TECHNISCHE DATEN

Material filter housing:	Steel (Polyester coated)
Material filter element:	Stainless steel
Material scraper blade:	Stainless steel 1.4310
In-/Outlet:	DN80 to DN350
Flowrate:	up to 1800 m³/h
Gaskets:	NBR
Micron rating:	10, 25, 50, 80, 100, 125, 200, 300, 500 und 1000 µm
Working pressure:	+2 to +10 bar
Working temperature:	+5°C to +50°C (deviating temp. on request)
Electrical connection:	400 V
Control valtage:	24 V (control internally)
Motor:	0,37 kw, 50 Hz.
Flushing valve:	2"



Order information

FMA [ ] - S

Flange | In- & Outlet	
2003	DN80
2004	DN100
2006	DN150
2008	DN200
2010	DN250
2012	DN300
2014	DN350

Order example: FMA 2003-S

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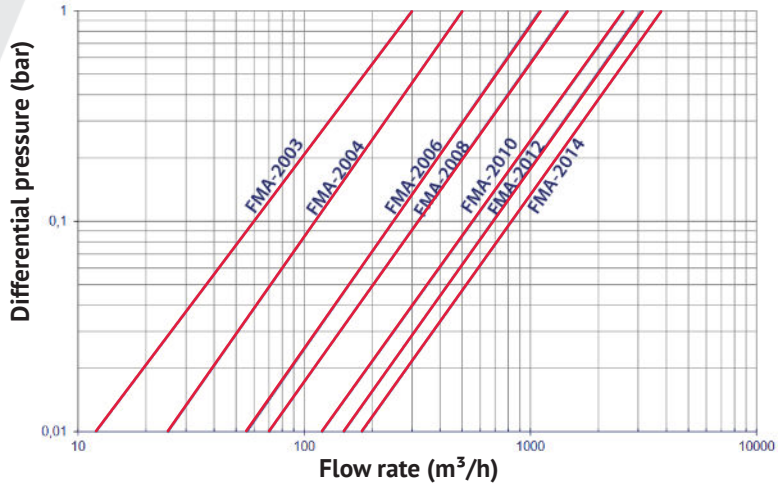

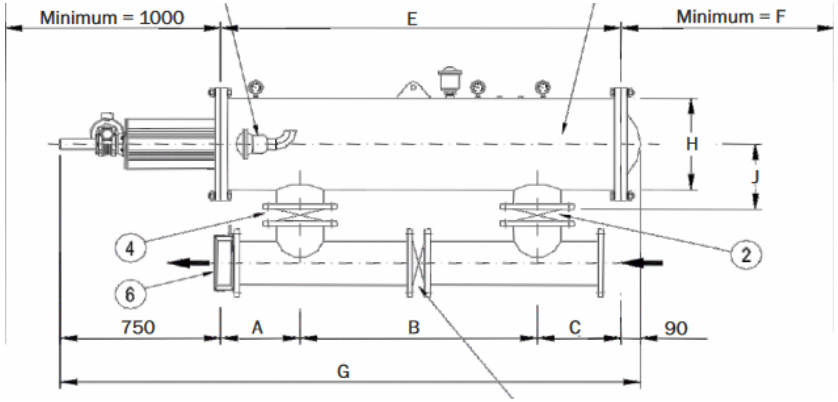

TECHNICAL DATA

	FMA 2003-S	FMA 2004-S	FMA 2006-S	FMA 2008-S	FMA 2010-S	FMA 2012-S	FMA 2014-S
Surface area (cm^2)	120	235	500	700	1150	1400	1800
Water waste per flushing (l)	35	70	105	140	175	140	175
Weight (kg)	261	304	382	439	495	675	753
Volume (l)	139	220	270	280	330	605	750

FLOW CAPACITY

	FMA 2003-S	FMA 2004-S	FMA 2006-S	FMA 2008-S	FMA 2010-S	FMA 2012-S	FMA 2014-S
Low dirt load	60	110	215	320	580	700	900
Medium dirt load	48	90	173	256	464	560	720
High dirt load	32	70	129	192	348	420	540

Values in m^3/h and for micron rating 125 µm.

DIMENSIONS

LABEL	FMA 2003-S	FMA 2004-S	FMA 2006-S	FMA 2008-S	FMA 2010-S	FMA 2012-S	FMA 2014-S
A	302	315	340	367	446	430	433
B	360	770	1000	1100	1370	1100	1370
C	219	220	240	388	341	325	327
E	881	1305	1580	1855	2130	1855	2130
F	400	690	970	1240	1520	1240	1520
G	1625	2140	2415	2690	2965	2707	2982
H	698					925	
J	325					450	
L	763					976	

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