

# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

The SKAN FMA-4000 series self-cleaning hydraulic screen filters are specifically designed for installations without a power supply, offering efficient and reliable filtration. With a new innovative cartridge, these filters optimize filtering capacity while minimizing water consumption, making them an ideal solution for remote and off-grid applications.



**FMA-4000 SERIES - 4003** 

- Hydraulic operation eliminates the need for a power supply, making it perfect for remote installations.
- Features an innovative cartridge that optimizes the filtration screen, ensuring superior filtering performance.
- Low water consumption reduces operational costs and supports sustainability.
- The innovative injected mesh cleaning cartridge ensures continuous, automated cleaning for lowmaintenance operation.
- Suitable for various industries and environments, particularly where no power is available.



PRODUCT CODE		ELECTRICAL
4003	_	Rated operation
CONNECTIONS		voltage
Inlet/Outlet (BPSM)	DN-80 (3")	Control voltage
OPERATING PRESSU	RES (BAR / PSI)	Electric Motor
Min./Max. working pressure	2,5 - 10 / 36 - 145 (Any others, ask SF)	Power (kW/HP)
TEMPERATURE (°C/°		Electric motor consumption (A)
Max. fluid temperature	50 / 122 (Any others,	Power Supply (k
	ask SF)	DIMENSIONS
WEIGHT (KG / LBS)		A 156 / 6,14
Unladen weight	100 / 220	B 360 / 14,17
FILTRATION		C 196 / 7,72
Filtering surface (cm²/ft²)	2475 / 2,66	D -
Filtration degrees (µm)	1000, 500, 300, 200, 125, 74	MATERIALS  Filter housing an
BACKWASHING		
Backwashing valve	G-2" Thread 2" NPT	Coating
No. Valves		Suction scanner
Backwash cycle time (s)	30	Filtration screen
Backwashing flow rate (m³/h / gpm) (*)	5 / 22	Brush
Backwashing water	40 / 11	Suction nozzles
consumption (I / gal)	40 / 11	Backwashing va
FLOW (M <sup>3</sup> /H / GPM)		Bolts & nuts
		Seals
Max. Flow	110 / 484	UV DATA
High quality	70 / 308	Ultraviolet lamp
i ligit quality		No. lamps

ELECTRICAL		
Rated operation voltage	4 batteries 1.5 V LR 14-C / 220 V AC 50 Hz / 110 V AC 60 Hz	
Control voltage	6 V DC / (24 DC if option 220 V AC)	
Electric Motor Power (kW/HP)	No Data	
Electric motor consumption (A)	No Data	
Power Supply (kW)	No Data	
DIMENSIONS (M	M / INCHES)	
A 156 / 6,14 E	712 / 28,03 J 300 / 11,81	
B 360 / 14,17 F	500 / 19,69 L 674 / 26,54	
C 196 / 7,72 G	1202/47,32	
D - H	624 / 24,57	
MATERIALS		
Filter housing and lic	ls S-235-JR	
Coating	Cover with powder paint Kiln Polymerized epoxy- polyester powder R	
Suction scanner	AISI-304	
Filtration screen	AISI-316L	
Brush	-	
Suction nozzles	PVC	
Backwashing valves	PP	
Bolts & nuts	5.6 Bichromated	
Seals	NBR - EPDM - Viton	
UV DATA		
Ultraviolet lamp		
No. lamps		
UV-C lamp power		
UV (with 55% transn	nittance)	

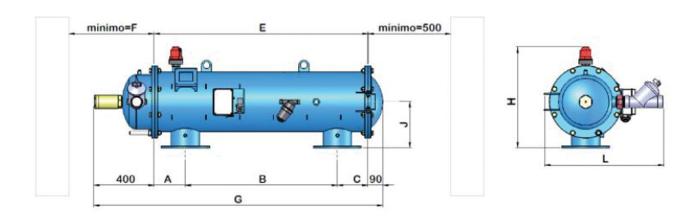
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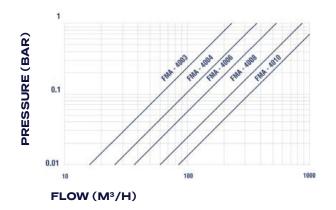
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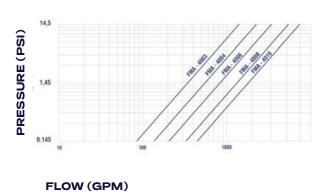
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Medium quality









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**FMA-4000 SERIES - 4004** 

- Hydraulic operation eliminates the need for a power supply, making it perfect for remote installations.
- Features an innovative cartridge that optimizes the filtration screen, ensuring superior filtering performance.
- Low water consumption reduces operational costs and supports sustainability.
- The innovative injected mesh cleaning cartridge ensures continuous, automated cleaning for lowmaintenance operation.
- Suitable for various industries and environments, particularly where no power is available.



PRODUCT CODE		ELECTRICAL	
4004 CONNECTIONS		Rated operation voltage	4 batteries 1.5 V LR 14-C / 220 V AC 50 Hz / 110 V AC 60 Hz
Inlet/Outlet (BPSM)	DN-100 (4")	Control voltage	6 V DC / (24 DC if option 220 V AC)
OPERATING PRESSU	2,5 - 10 / 36 - 145	Electric Motor Power (kW/HP)	No Data
ressure TEMPERATURE (°C/°	(Any others, ask SF)	Electric motor consumption (A)	No Data
Max. fluid temperature	50 / 122 (Any others,	Power Supply (kW	) No Data
Max. Haid temperature	ask SF)	DIMENSIONS (M	MM / INCHES)
WEIGHT (KG / LBS)		A 111 / 4,37	E 987 / 38,86 J 300 / 11,81
Unladen weight	115 / 254	B 770 / 30,32	F 690 / 27,17 L 674 / 26,54
FILTRATION		C 106 / 4,17	G 1477/58,15
Filtering surface (cm²/ft²)	4950 / 5,32	D -	H 624 / 24,57
Filtration degrees (µm)	1000, 500, 300, 200,	MATERIALS	
	125, 74	Filter housing and	lids S-235-JR
BACKWASHING  Backwashing valve	G-2" Thread 2" NPT	Coating	Cover with powder paint Kiln Polymerized epoxy-
No. Valves	<u> </u>		polyester powder R
Backwash cycle time (s)	30	Suction scanner Filtration screen	AISI-304 AISI-316L
Backwashing flow rate	10 / 44	Brush	AISI-STOL
(m³/h / gpm) (*)	10 / 44	Suction nozzles	PVC
Backwashing water consumption (I / gal)	80 / 21	Backwashing valve	es PP
FLOW (M <sup>3</sup> /H / GPM)		Bolts & nuts	5.6 Bichromated
		Seals	NBR - EPDM - Viton
Max. Flow	200 / 881	UV DATA	
High quality	90 / 396	Ultraviolet lamp	
		No. lamps	

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Medium quality

Low quality

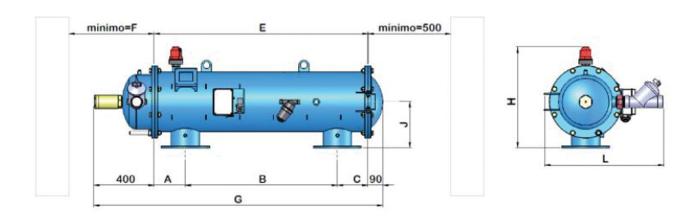
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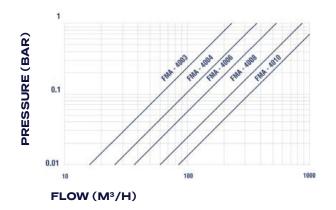
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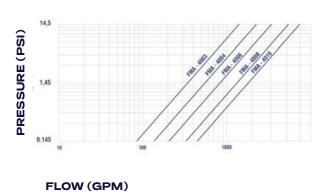


**UV-C** lamp power

UV (with 55% transmittance)









# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

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**FMA-4000 SERIES - 4006** 

- Hydraulic operation eliminates the need for a power supply, making it perfect for remote installations.
- Features an innovative cartridge that optimizes the filtration screen, ensuring superior filtering performance.
- Low water consumption reduces operational costs and supports sustainability.
- The innovative injected mesh cleaning cartridge ensures continuous, automated cleaning for lowmaintenance operation.
- Suitable for various industries and environments, particularly where no power is available.



PRODUCT CODE		ELECTRICAL	
4006		Rated operation	4 batteries 1.5 V LR 14-C / 220 V AC 50 Hz / 110 V AC
CONNECTIONS		voltage	60 Hz
Inlet/Outlet (BPSM)	DN-150 (6")	Control voltage	6 V DC / (24 DC if option 220 V AC)
OPERATING PRESSU	RES (BAR / PSI)	Electric Motor	N. D. I
Min./Max. working pressure	2,5 - 10 / 36 - 145 (Any others, ask SF)	Power (kW/HP)	No Data
TEMPERATURE (°C/°		Electric motor consumption (A)	No Data
Max. fluid temperature	50 / 122 (Any others,	Power Supply (kW)	No Data
·	ask SF)	DIMENSIONS (M	IM / INCHES)
WEIGHT (KG / LBS)		A 181 / 7,13	E 1262/49,69 J 300 / 11,81
Unladen weight	130 / 287	B 900 / 35,43 F	970 / 38,19 L 674 / 26,54
FILTRATION		C 181 / 7,13	G 1752/68,98
Filtering surface (cm²/ft²)	7425 / 7,99	D - H	H 624 / 24,57
Filtration degrees (µm)	1000, 500, 300, 200,	MATERIALS	
Tittation degrees (µm)	125, 74	Filter housing and li	ds S-235-JR
BACKWASHING			Cover with powder paint
Backwashing valve	G-2" Thread 2" NPT	Coating	Kiln Polymerized epoxy- polyester powder R
No. Valves		Suction scanner	AISI-304
Backwash cycle time (s)	30	Filtration screen	AISI-316L
Backwashing flow rate (m³/h / gpm) (*)	15 / 66	Brush	-
		Suction nozzles	PVC
Backwashing water consumption (I / gal)	125 / 33	Backwashing valve	s PP
FLOW (M <sup>3</sup> /H / GPM)		Bolts & nuts	5.6 Bichromated
		Seals	NBR - EPDM - Viton
Max. Flow	270 / 1189	UV DATA	
High quality	160 / 704	Ultraviolet lamp	
J ·		No. lamps	
		111/1 0 1	

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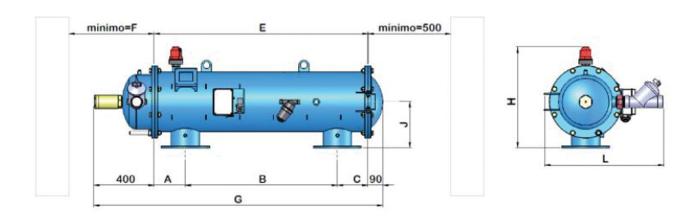
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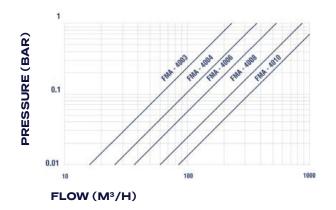


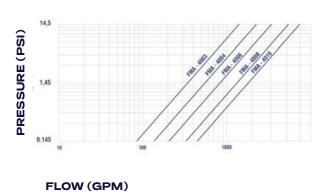
**UV-C** lamp power

UV (with 55% transmittance)

Medium quality









# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

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**FMA-4000 SERIES - 4008** 

- Hydraulic operation eliminates the need for a power supply, making it perfect for remote installations.
- Features an innovative cartridge that optimizes the filtration screen, ensuring superior filtering performance.
- Low water consumption reduces operational costs and supports sustainability.
- The innovative injected mesh cleaning cartridge ensures continuous, automated cleaning for lowmaintenance operation.
- Suitable for various industries and environments, particularly where no power is available.



PRODUCT CODE		ELECTRICAL	
4008  CONNECTIONS		Rated operation voltage	4 batteries 1.5 V LR 14-C / 220 V AC 50 Hz / 110 V AC 60 Hz
Inlet/Outlet (BPSM)	DN-200 (8")	Control voltage	6 V DC / (24 DC if option 220 V AC)
OPERATING PRESSU	2,5 - 10 / 36 - 145	Electric Motor Power (kW/HP)	No Data
ressure TEMPERATURE (°C/°	(Any others, ask SF)	Electric motor consumption (A)	No Data
Max. fluid temperature	50 / 122 (Any others,	Power Supply (kW)	) No Data
·	ask SF)	DIMENSIONS (N	MM / INCHES)
WEIGHT (KG / LBS)		A 231 / 9,09	E 1537/60,51 J 300 / 11,81
Unladen weight	145 / 320	B 1100 / 43,31	F 1240/48,82 L 674 / 26,54
FILTRATION		C 206 / 8,11	G 2027/79,80
Filtering surface (cm²/ft²)	9900 / 10,65	D -	H 624 / 24,57
Filtration degrees (µm)	1000, 500, 300, 200, 125, 74	MATERIALS  Filter housing and I	ids S-235-IR
BACKWASHING Backwashing valve	G-2" Thread 2" NPT	Coating	Cover with powder paint Kiln Polymerized epoxy- polyester powder R
No. Valves		Suction scanner	AISI-304
Backwash cycle time (s)	30	Filtration screen	AISI-316L
Backwashing flow rate	20 / 8	Brush	-
(m³/h / gpm) (*)		Suction nozzles	PVC
Backwashing water consumption (I / gal)	165 / 44	Backwashing valve	es PP
FLOW (M <sup>3</sup> /H / GPM)		Bolts & nuts	5.6 Bichromated
		Seals	NBR - EPDM - Viton
Max. Flow	410 / 1805	UV DATA	
High quality	250 / 1101	Ultraviolet lamp	
Tingiti quality	200 / 1101	No. lamps	

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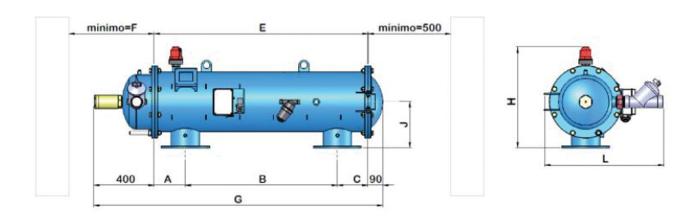
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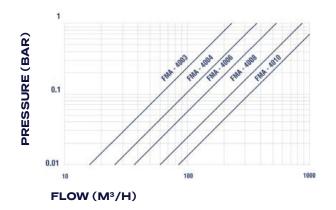


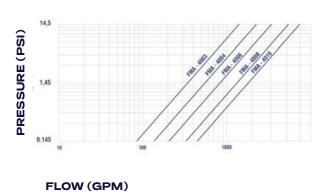
**UV-C** lamp power

UV (with 55% transmittance)

Medium quality









# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

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**FMA-4000 SERIES - 4010** 

- Hydraulic operation eliminates the need for a power supply, making it perfect for remote installations.
- Features an innovative cartridge that optimizes the filtration screen, ensuring superior filtering performance.
- Low water consumption reduces operational costs and supports sustainability.
- The innovative injected mesh cleaning cartridge ensures continuous, automated cleaning for lowmaintenance operation.
- Suitable for various industries and environments, particularly where no power is available.



PRODUCT CODE		ELECTRICAL
4010		Rated operation
CONNECTIONS		voltage
Inlet/Outlet (BPSM)	DN-250 (10")	Control voltage
OPERATING PRESSU	RES (BAR / PSI)	Electric Motor
Min./Max. working pressure	2,5 - 10 / 36 - 145 (Any others, ask SF)	Power (kW/HP)
TEMPERATURE (°C/°		Electric motor consumption (A
Max. fluid temperature	50 / 122 (Any others,	Power Supply (
·	ask SF)	DIMENSIONS
WEIGHT (KG / LBS)	105 / 00 /	A 231 / 9,09
Unladen weight	165 / 364	B 1370 / 53,94
FILTRATION		C 211 / 8,31
Filtering surface (cm²/ft²)	12375 / 13,32	D -
Filtration degrees (µm)	1000, 500, 300, 200, 125, 74	MATERIALS Filter housing a
BACKWASHING		Tilter Hedeling all
Backwashing valve	G-2" Thread 2" NPT	Coating
No. Valves		Suction scanne
Backwash cycle time (s)	30	Filtration screer
Backwashing flow rate (m³/h / gpm) (*)	25 / 110	Brush
Backwashing water		Suction nozzles
consumption (I / gal)	210 / 55	Backwashing va
FLOW (M <sup>3</sup> /H / GPM)		Bolts & nuts
		Seals
Max. Flow	580 / 2554	UV DATA
High quality	320 / 1409	Ultraviolet lamp
3··· -1 <del></del> )		No. lamps

ELECTRICAL		
Rated operation voltage	4 batteries 1.5 V LR 14-C / 220 V AC 50 Hz / 110 V AC 60 Hz	
Control voltage	6 V DC / (24 DC if option 220 V AC)	
Electric Motor Power (kW/HP)	No Data	
Electric motor consumption (A)	No Data	
Power Supply (kW)	No Data	
DIMENSIONS (M	IM / INCHES)	
A 231 / 9,09 E	E 1812/71,34 J 300 / 11,81	
B 1370 / 53,94 F	1520/59,84 L 300 / 11,81	
C 211 / 8,31	G 2302/90,63	
D - H	1 624 / 24,57	
MATERIALS		
Filter housing and lie	ds S-235-JR	
Coating	Cover with powder paint Kiln Polymerized epoxy- polyester powder R	
Suction scanner	AISI-304	
Filtration screen	AISI-316L	
Brush	-	
Suction nozzles	PVC	
Backwashing valves	s PP	
Bolts & nuts	5.6 Bichromated	
Seals	NBR - EPDM - Viton	
UV DATA		
Ultraviolet lamp		
No. lamps		
UV-C lamp power		

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270 / 1189

190 / 837



Medium quality

