

# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

The SKAN FMA 4000E series automatic electric screen filters are designed to deliver optimized filtration in installations with an energy supply. Equipped with an innovative cartridge, these filters maximize the filtration surface, enabling them to handle higher flow rates efficiently. With low water consumption and electrical operation, they are the perfect solution for applications where energy is readily available.



#### **FMA-4000E SERIES - 4003E**

- The advanced cartridge design increases the filtration surface, allowing the system to treat greater flow rates efficiently.
- The electrical operation system ensures consistent and reliable filtration in installations where energy is available.
- Low cleaning water consumption

- minimizes waste, reducing operational costs and environmental impact.
- The injected mesh cleaning cartridge ensures continuous, automated cleaning, reducing maintenance needs.
- Perfect for installations in industries with available energy, offering flexible and efficient filtration solutions across multiple sectors.



PRODUCT CODE		ELECTRICAL
4003E		Rated operation
CONNECTIONS		voltage
Inlet/Outlet (BPSM)	DN-80 (3")	Control voltage
OPERATING PRESSU	RES (BAR / PSI)	Electric Motor
Min./Max. working pressure	2 - 10 / 29 - 145 (Any others, ask SF )	Power (kW/HP)
TEMPERATURE (°C/°	PF)	Electric motor consumption (A
Max. fluid temperature	50 / 122 (Any others, ask SF)	Power Supply (F
WEIGHT (KG / LBS)	ask or )	DIMENSIONS
Unladen weight	105 / 231	A 156 / 6,14
	105 / 231	B 360 / 14,17
FILTRATION		C 196 / 7,72
Filtering surface (cm²/ft²)	2475 / 2,66	D -
Filtration degrees (µm)	1000, 500, 300, 200,	MATERIALS
- water degrees (pm)	125, 74	Filter housing ar
BACKWASHING		0 1
Backwashing valve	G-2" Thread	Coating
No. Valves		Suction scanner
Backwash cycle time (s)	20	Filtration screen
Backwashing flow rate (m³/h / gpm) (*)	5 / 22	Brush
		Suction nozzles
Backwashing water consumption (I / gal)	25 / 7	Backwashing va
FLOW (M <sup>3</sup> /H / GPM)		Bolts & nuts
		Seals
Max. Flow	110 / 484	UV DATA
		Ultraviolet lamp

ELECTRICAL	
Rated operation voltage	220 V AC 50 Hz mono- phase
Control voltage	24 V DC
Electric Motor Power (kW/HP)	0,18 / 0,24
Electric motor consumption (A)	0,72
Power Supply (kW)	-
DIMENSIONS (M	MM / INCHES)
A 156 / 6,14	E 712 / 28,03 J 300 / 11,81
B 360 / 14,17	= 900 / 35,43 L 642 / 25,75
C 196 / 7,72	G 1452/ 57,17
D - H	H 624 / 23,56
MATERIALS	
Filter housing and li	ds S-235-JR
Coating	Kiln Polymerized epoxy- polyester powder
Suction scanner	AISI-304
Filtration screen	AISI-316L
Brush	
Suction nozzles	PVC
Backwashing valve	s PP
Bolts & nuts	5.6 Bichromated
Seals	NBR - EPDM - Viton
UV DATA	
Ultraviolet lamp	-
No. lamps	-
UV-C lamp power	
UV (with 55% trans	mittance) -

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70 / 308

50 / 220

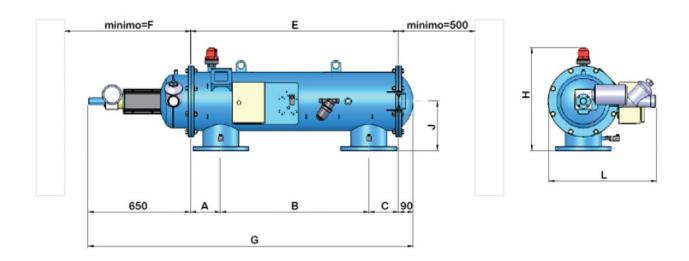
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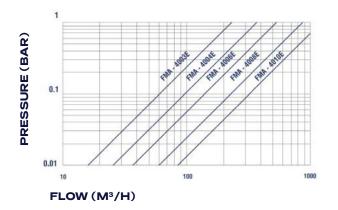


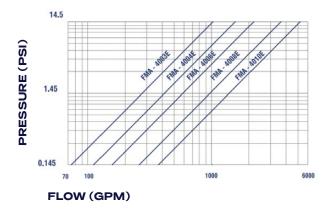
High quality

Low quality

Medium quality









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#### **FMA-4000E SERIES - 4004E**

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- Low cleaning water consumption

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PRODUCT CODE		ELECTRICAL	
4004E	_	Rated operation	
CONNECTIONS		voltage	
Inlet/Outlet (BPSM)	DN-100 (4")	Control voltage	
OPERATING PRESSU	RES (BAR / PSI)		
Min./Max. working pressure	2 - 10 / 29 - 145 (Any others, ask SF)	Electric Motor Power (kW/HP)	
TEMPERATURE (°C/°		Electric motor consumption (A)	
Max. fluid temperature	50 / 122 (Any others, ask SF)	Power Supply (kV	
WEIGHT (KG / LBS)		DIMENSIONS (	M
Unladen weight	120 / 265	A 111 / 4,37	_E
FILTRATION	.20 / 200	B 770 / 30,31	_F 
Filtering surface (cm <sup>2</sup> /ft <sup>2</sup> )	4950 / 5,32	C 106 / 4,17	G
Tillering Surface (CITI-/Tt-)	4930 / 3,32	D -	Н
Filtration degrees (µm)	1000, 500, 300, 200, 125, 74	MATERIALS	
	120, 74	Filter housing and	lid
BACKWASHING		Coating	
Backwashing valve	G-2" Thread	Coating	
No. Valves		Suction scanner	
Backwash cycle time (s)	20	Filtration screen	
Backwashing flow rate (m³/h / gpm) (*)	10 / 44	Brush	
		Suction nozzles	
Backwashing water consumption (I / gal)	55 / 15	Backwashing valv	⁄es
FLOW (M <sup>3</sup> /H / GPM)		Bolts & nuts	
		Seals	
Max. Flow	200 / 880	UV DATA	
High quality	90 / 396	Ultraviolet lamp	
riigir quality	30 / 330	NI- I	

220 V AC 50 Hz mono- phase
24 V DC
0,18 / 0,24
0,72
-
M / INCHES)
987 / 38,86 J 300 / 11,81
900 / 35,43 L 655 / 25,79
G 1727/ 67,99
1 624 / 23,56
ds S-235-JR
Kiln Polymerized epoxy- polyester powder
AISI-304
AISI-316L
-
PVC
s PP
5.6 Bichromated
NBR - EPDM - Viton
-
- -
- - -

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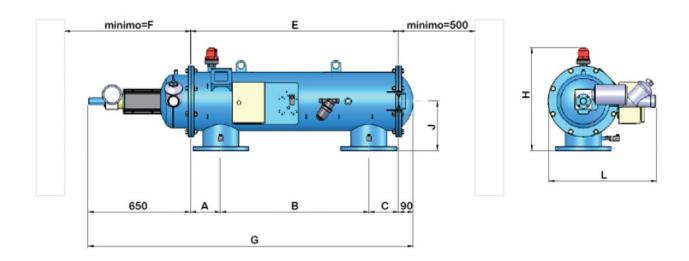
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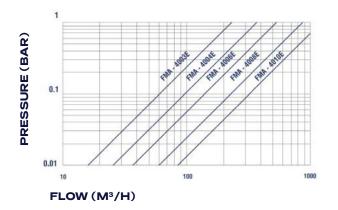
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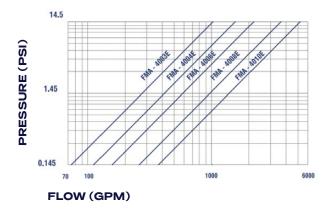


Medium quality

Low quality









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#### **FMA-4000E SERIES - 4006E**

- The advanced cartridge design increases the filtration surface, allowing the system to treat greater flow rates efficiently.
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PRODUCT CODE		ELECTRICAL	
4006E		Rated operation	220 V AC 50 Hz mono-
CONNECTIONS		voltage	phase
Inlet/Outlet (BPSM)	DN-150 (6")	Control voltage	24 V DC
OPERATING PRESSU	RES (BAR / PSI)	Electric Motor	
Min./Max. working pressure	2 - 10 / 29 - 145 (Any others, ask SF)	Power (kW/HP)	0,18 / 0,24
TEMPERATURE (°C/°		Electric motor consumption (A)	0,72
Max. fluid temperature	50 / 122 (Any others,	Power Supply (kW)	-
	ask SF)	DIMENSIONS (M	M / INCHES)
WEIGHT (KG / LBS)		A 181 / 7,13 E	1262/49,69 J 300 / 11,81
Unladen weight	135 / 298	B 900 / 35,43 F	970 / 38,19 L 676 / 26,61
FILTRATION		C 181 / 7,13 G	i 2002/ 78,82
Filtering surface (cm²/ft²)	7425 / 7,99	D - H	624 / 23,56
Filtration degrees (µm)	1000, 500, 300, 200,	MATERIALS	
	125, 74	Filter housing and lic	ds S-235-JR
BACKWASHING		0 "	Kiln Polymerized epoxy-
Backwashing valve	G-2" Thread	Coating	polyester powder
No. Valves		Suction scanner	AISI-304
Backwash cycle time (s)	20	Filtration screen	AISI-316L
Backwashing flow rate (m³/h / gpm) (*)	15 / 66	Brush	-
		Suction nozzles	PVC
Backwashing water consumption (I / gal)	85 / 22	Backwashing valves	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	-
riigir quality	100 / 104	No lompo	

No. lamps

**UV-C** lamp power

UV (with 55% transmittance) -

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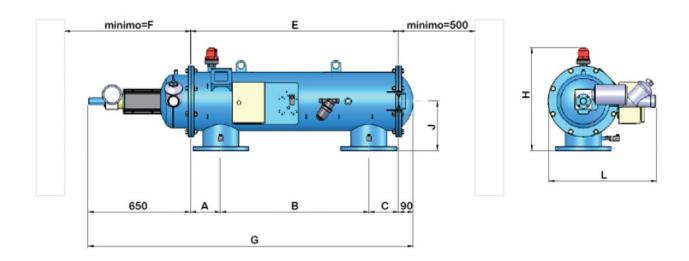
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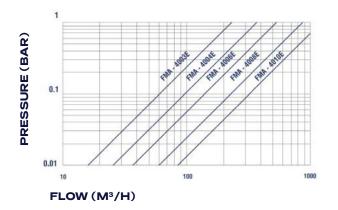
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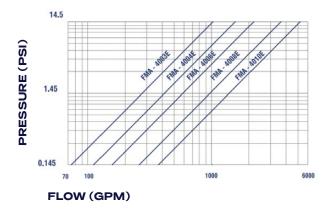


Medium quality

Low quality









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#### **FMA-4000E SERIES - 4008E**

- The advanced cartridge design increases the filtration surface, allowing the system to treat greater flow rates efficiently.
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- Low cleaning water consumption

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PRODUCT CODE		ELECTRICAL
4008E		Rated operation
CONNECTIONS		voltage
Inlet/Outlet (BPSM)	DN-200 (8")	Control voltage
OPERATING PRESSU	RES (BAR / PSI)	Electric Motor
Min./Max. working pressure	2 - 10 / 29 - 145 (Any others, ask SF)	Power (kW/HP)
TEMPERATURE (°C/°	°F)	Electric motor consumption (A
Max. fluid temperature	50 / 122 (Any others, ask SF)	Power Supply (
WEIGHT (KG / LBS)		DIMENSIONS
Unladen weight	150 / 331	A 231 / 9,09
FILTRATION	130 / 331	B 1100 / 43,31
		C 206 / 8,11
Filtering surface (cm²/ft²)	9900 / 10,65	D -
Filtration degrees (µm)	1000, 500, 300, 200, 125, 74	MATERIALS  Filter housing a
BACKWASHING		
Backwashing valve	G-2" Thread	Coating
No. Valves		Suction scanne
Backwash cycle time (s)	20	Filtration screen
Backwashing flow rate (m³/h / gpm) (*)	20 / 8	Brush
		Suction nozzles
Backwashing water consumption (I / gal)	110 / 29	Backwashing v
FLOW (M <sup>3</sup> /H / GPM)		Bolts & nuts
		Seals
Max. Flow	410 / 1805	UV DATA

ELECTRICAL	
Rated operation voltage	220 V AC 50 Hz mono- phase
Control voltage	24 V DC
Electric Motor Power (kW/HP)	0,18 / 0,24
Electric motor consumption (A)	0,72
Power Supply (kW	/) -
DIMENSIONS (	MM / INCHES)
A 231 / 9,09	E 1537/60,51 J 300 / 11,81
B 1100 / 43,31	F 1240/48,82 L 630 / 24,80
C 206 / 8,11	G 2277/ 89,65
D -	H 624 / 23,56
MATERIALS	
Filter housing and	lids S-235-JR
Coating	Kiln Polymerized epoxy- polyester powder
Suction scanner	AISI-304
Filtration screen	AISI-316L
Brush	-
Suction nozzles	PVC
Backwashing valv	es PP
Bolts & nuts	5.6 Bichromated
Seals	NBR - EPDM - Viton
UV DATA	
Ultraviolet lamp	-
No. lamps	-
UV-C lamp power	-
UV (with 55% tran	smittance) -

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250 / 1100

190 / 837

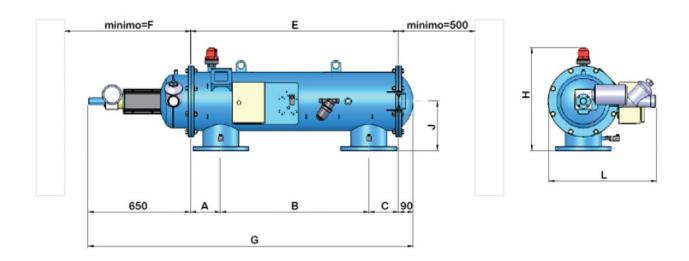
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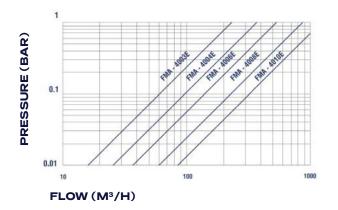


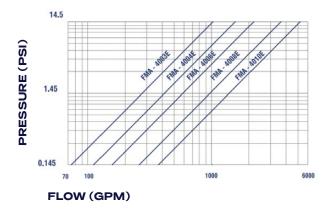
High quality

Low quality

Medium quality









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#### **FMA-4000E SERIES - 4010E**

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- Low cleaning water consumption

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PRODUCT CODE		ELECTRICAL
4010E		Rated operation
CONNECTIONS		voltage
Inlet/Outlet (BPSM)	DN-250 (10")	Control voltage
OPERATING PRESSU	RES (BAR / PSI)	Electric Motor
Min./Max. working pressure	2 - 10 / 29 - 145 (Any others, ask SF )	Power (kW/HP)
TEMPERATURE (°C/°	F)	Electric motor consumption (A)
Max. fluid temperature	50 / 122 (Any others,	Power Supply (k
·	ask SF)	DIMENSIONS
WEIGHT (KG / LBS)		A 231 / 9,09
Unladen weight	170 / 375	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 an
BACKWASHING		
Backwashing valve	G-2" Thread	Coating
No. Valves		Suction scanner
Backwash cycle time (s)	20	Filtration screen
Backwashing flow rate (m³/h / gpm) (*)	25 / 110	Brush
		Suction nozzles
Backwashing water consumption (I / gal)	140 / 37	Backwashing va
FLOW (M <sup>3</sup> /H / GPM)		Bolts & nuts
		Seals
Max. Flow	580 / 2555	UV DATA

ELECTRICAL	
Rated operation voltage	220 V AC 50 Hz mono- phase
Control voltage	24 V DC
Electric Motor Power (kW/HP)	0,18 / 0,24
Electric motor consumption (A)	0,72
Power Supply (kW	/) -
DIMENSIONS (	MM / INCHES)
A 231 / 9,09	E 1812/71,34 J 300 / 11,81
B 1370 / 53,94	F 1520 / 59,84 L 655 / 25,79
C 211 / 8,31	G 2552/ 100,47
D -	H 624 / 23,56
MATERIALS	
Filter housing and	lids S-235-JR
Coating	Kiln Polymerized epoxy- polyester powder
Suction scanner AISI-304	
Filtration screen AISI-316L	
Brush	-
Suction nozzles	PVC
Backwashing valv	es PP
Bolts & nuts	5.6 Bichromated
Seals	NBR - EPDM - Viton
UV DATA	
Ultraviolet lamp	-
No. lamps	-
UV-C lamp power	-
UV (with 55% tran	nsmittance) -

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320 / 1410

270 / 1189

190 / 837



High quality

Low quality

Medium quality

