

# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

The SKAN FMA-9000 automatic mesh filters has been designed to meet your filtration needs such as drinking water facilities, desalination plants, food industry, co-generation plants, chemical industry, cooling towers, field irrigation, golf courses and physical barrier against zebra mussels.



**FMA-9000 SERIES - 9006** 

#### **FEATURES**



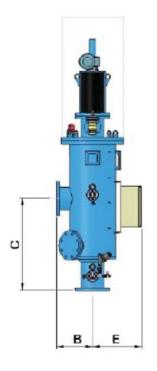
	_
	ELECTRICAL
	Rated operation
	voltage
DN-150 (6")	Control voltage
RES (BAR / PSI)	Electric Motor
2 - 10 / 29 - 145 (Any others, ask SF)	Power (kW/HP)
F)	Electric motor consumption (A
50 / 122 (Any others, ask SF)	Power Supply (
,	DIMENSIONS
310 / 141	A 1194 / 47,01
·	B 350 / 13,78
7990 / 8 60	C 600 / 23,62 D 150 / 5.91
<u> </u>	D 150 / 5,91
125, 100, 80, 50, 25, 20, 10	Filter housing a
G-2" Thread	Coating
	Suction scanne
22 - 30	Filtration scree
15 / 66	Brush
	Suction nozzles
105 / 28	Backwashing v
	Bolts & nuts
	Seals
500 / 2201	UV DATA
215 / 947	Ultraviolet lamp
	No. lamps
173 / 762	UV-C lamp pov
	RES (BAR / PSI)  2 - 10 / 29 - 145 (Any others, ask SF)  50 / 122 (Any others, ask SF)  310 / 141  7990 / 8,60  1000, 500, 300, 200, 125, 100, 80, 50, 25, 20, 10  G-2" Thread  22 - 30  15 / 66  105 / 28  500 / 2201

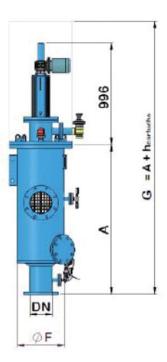
ELECTRICAL	
Rated operation voltage	220 V AC 50 Hz mono- phase-(Optional-Option 400 V AC Three-phase)
Control voltage	24 V DC (12 V DC supply)
Electric Motor Power (kW/HP)	0,37 / 0,50 (0,25 / 0,34 in option-12V)
Electric motor consumption (A)	1,4
Power Supply (kW)	-
DIMENSIONS (M	IM / INCHES)
A 1194 / 47,01 E	E 410 / 27,95 J -
B 350 / 13,78 F	= 457 / 17,99 L -
C 600 / 23,62 (	G 2036 / 80,16
D 150 / 5,91 H	H -
MATERIALS	
Filter housing and li	ds S-235-JR
Coating	Kiln Polymerized epoxy- polyester powder
Suction scanner	AISI-304
Filtration screen	AISI-316
Brush	-
Suction nozzles	PVC
Backwashing valve	s Foundry with epoxy coating
Bolts & nuts	5.6 & 5.8 Bichromated
Seals	NBR - EPDM - Viton
UV DATA	
Ultraviolet lamp	-
No. lamps	-
IIV Clamp power	
UV-C lamp power	

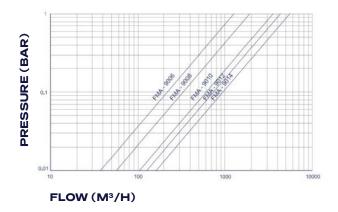
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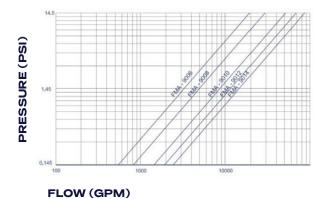
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**FMA-9000 SERIES - 9008** 

#### **FEATURES**



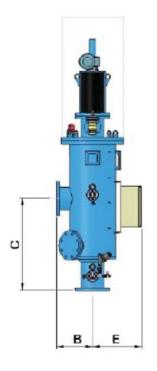
PRODUCT CODE		ELECTRICAL
9008	_	Rated operation
CONNECTIONS		voltage
Inlet/Outlet (BPSM)	DN-200 (8")	Control voltage
OPERATING PRESSU	RES (BAR / PSI)	Electric Motor
Min./Max. working pressure	2 - 10 / 29 - 145 (Any others, ask SF)	Power (kW/HP)
TEMPERATURE (°C/°	F)	Electric motor consumption (A)
Max. fluid temperature	50 / 122 (Any others, ask SF)	Power Supply (kW
WEIGHT (KG / LBS)		DIMENSIONS (I
Unladen weight	365 / 166	A 1469 / 58,83
FILTRATION		B 350 / 13,78 C 900 / 35,43
Filtering surface (cm <sup>2</sup> /ft <sup>2</sup> )	10600 / 11,41	D 200 / 7,87
Filtration degrees (µm)	1000, 500, 300, 200, 125, 100, 80, 50, 25,	MATERIALS
	20, 10	Filter housing and
BACKWASHING		Coating
Backwashing valve	G-2" Thread	Coating
No. Valves		Suction scanner
Backwash cycle time (s)	22 - 30	Filtration screen
Backwashing flow rate (m <sup>3</sup> /h / gpm) (*)	20 / 88	Brush
Backwashing water		Suction nozzles
consumption (I / gal)	140 / 37	Backwashing valv
FLOW (M <sup>3</sup> /H / GPM)		Bolts & nuts
		Seals
Max. Flow	700 / 3082	UV DATA
High quality	320 / 1409	Ultraviolet lamp
		No. lamps
Medium quality	256 / 1127	UV-C lamp power

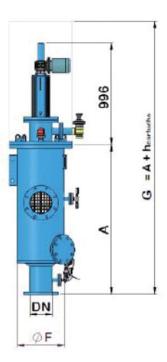
ELECTRICAL	
Rated operation voltage	220 V AC 50 Hz mono- phase-(Optional-Option 400 V AC Three-phase)
Control voltage	24 V DC (12 V DC supply)
Electric Motor Power (kW/HP)	0,37 / 0,50 (0,25 / 0,34 in option-12V)
Electric motor consumption (A)	1,4
Power Supply (kW)	-
DIMENSIONS (M	IM / INCHES)
A 1469 / 58,83 E	E 480 / 18,90 J -
B 350 / 13,78 F	457 / 17,99 L -
C 900 / 35,43 C	G 2586 / 101,81
D 200 / 7,87 H	1 -
MATERIALS	
Filter housing and lie	ds S-235-JR
Coating	Kiln Polymerized epoxy- polyester powder
Suction scanner	AISI-304
Filtration screen	AISI-316
Brush	
Suction nozzles	PVC
Backwashing valves	Foundry with epoxy coating
Bolts & nuts	5.6 & 5.8 Bichromated
Seals	NBR - EPDM - Viton
UV DATA	
Ultraviolet lamp	-
No. lamps	-
UV-C lamp power	-
UV (with 55% transi	mittance) -

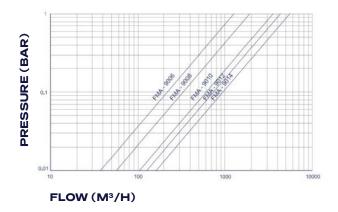
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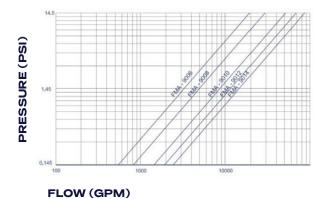
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**FMA-9000 SERIES - 9010** 

#### **FEATURES**



PRODUCT CODE		ELECTRICAL
9010		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 1744 / 68,66
Unladen weight	405 / 184	B 350 / 13,78
FILTRATION		C 900 / 35,43
Filtering surface (cm²/ft²)	13210 / 14,22	D 250 / 9,84
Filtration degrees (µm)	1000, 500, 300, 200, 125, 100, 80, 50, 25, 20, 10	MATERIALS  Filter housing ar
BACKWASHING	,	
Backwashing valve	G-2" Thread	Coating
No. Valves		Suction scanner
Backwash cycle time (s)	22 - 30	Filtration screen
Backwashing flow rate (m³/h / gpm) (*)	25 / 110	Brush
Backwashing water		Suction nozzles
consumption (I / gal)	175 / 46	Backwashing va
FLOW (M <sup>3</sup> /H / GPM)		Bolts & nuts
		Seals
Max. Flow	1150 / 5063	UV DATA
High quality	580 / 2554	Ultraviolet lamp
<u> </u>		No. lamps
NA P	404 / 0040	LIV Clamp pow

ELECTRICAL	
Rated operation voltage	220 V AC 50 Hz mono- phase-(Optional-Option 400 V AC Three-phase)
Control voltage	24 V DC (12 V DC supply)
Electric Motor Power (kW/HP)	0,37 / 0,50 (0,25 / 0,34 in option-12V)
Electric motor consumption (A)	1,4
Power Supply (kW)	-
DIMENSIONS (M	IM / INCHES)
A 1744 / 68,66 E	E 480 / 18,90 J -
B 350 / 13,78 F	= 457 / 17,99 L -
C 900 / 35,43	G 3136 / 123,46
D 250 / 9,84 H	H -
MATERIALS	
Filter housing and li	ds S-235-JR
Coating	Kiln Polymerized epoxy- polyester powder
Suction scanner	AISI-304
Filtration screen	AISI-316
Brush	-
Suction nozzles	PVC
Backwashing valve	s Foundry with epoxy coating
Bolts & nuts	5.6 & 5.8 Bichromated
Seals	NBR - EPDM - Viton
UV DATA	
Ultraviolet lamp	-
No. lamps	-
No. lamps  UV-C lamp power	- -

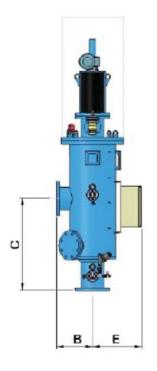
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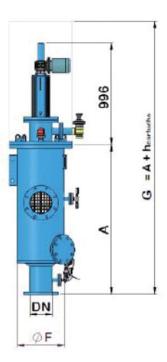
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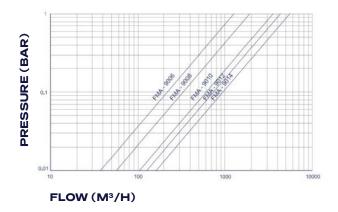
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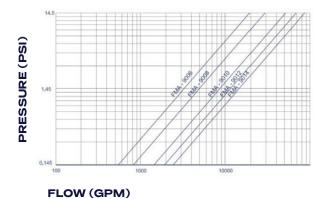


Medium quality











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**FMA-9000 SERIES - 9012** 

#### **FEATURES**



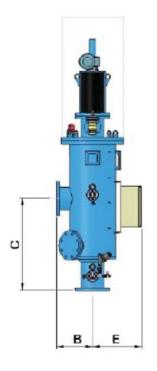
PRODUCT CODE		ELECTRICAL
9012	_	Rated operation
CONNECTIONS		voltage
Inlet/Outlet (BPSM)	DN-300 (12")	Control voltage
OPERATING PRESSU	RES (BAR / PSI)	Electric Motor
Min./Max. working pressure	2 - 10 / 29 - 145 (Any others, ask SF)	Power (kW/HP)
TEMPERATURE (°C/°	PF)	Electric motor consumption (A)
Max. fluid temperature	50 / 122 (Any others, ask SF)	Power Supply (k
WEIGHT (KG / LBS)		DIMENSIONS
Unladen weight	550 / 250	A 1499 / 59,02
FILTRATION	200 / 200	B 400 / 15,75
	40500 / 4770	C 900 / 35,43
Filtering surface (cm²/ft²)		D 300 / 11,81
Filtration degrees (µm)	1000, 500, 300, 200, 125, 100, 80, 50, 25, 20, 10	MATERIALS  Filter housing an
BACKWASHING	20, 10	- Titter Hodding and
Backwashing valve	G-2" Thread	Coating
No. Valves		Suction scanner
Backwash cycle time (s)	22 - 30	Filtration screen
Backwashing flow rate	20 / 88	Brush
(m³/h / gpm) (*)		Suction nozzles
Backwashing water consumption (I / gal)	140 / 37	Backwashing va
FLOW (M <sup>3</sup> /H / GPM)		Bolts & nuts
		Seals
Max. Flow	1400 / 6164	UV DATA
High quality	700 / 3082	Ultraviolet lamp
		No. lamps
Medium quality	560 / 2466	UV-C lamp power

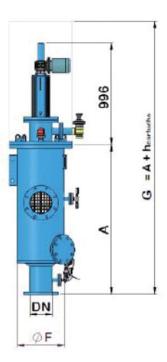
ELECTRICAL	
Rated operation voltage	220 V AC 50 Hz mono- phase-(Optional-Option 400 V AC Three-phase)
Control voltage	24 V DC (12 V DC supply)
Electric Motor Power (kW/HP)	0,37 / 0,50 (0,25 / 0,34 in option-12V)
Electric motor consumption (A)	1,4
Power Supply (kW)	-
DIMENSIONS (M	IM / INCHES)
A 1499 / 59,02 E	E 480 / 18,90 J -
B 400 / 15,75 F	608 / 23,94 L -
C 900 / 35,43 G	G 2616 / 102,99
D 300 / 11,81 H	1 -
MATERIALS	
Filter housing and lice	ds S-235-JR
Coating	Kiln Polymerized epoxy- polyester powder
Suction scanner	AISI-304
Filtration screen	AISI-316
Brush	-
Suction nozzles	PVC
Backwashing valves	Foundry with epoxy coating
Bolts & nuts	5.6 & 5.8 Bichromated
Seals	NBR - EPDM - Viton
UV DATA	
Ultraviolet lamp	-
No. lamps	
UV-C lamp power	-

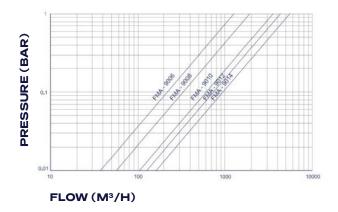
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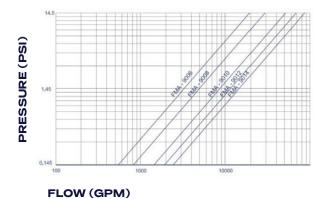
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**FMA-9000 SERIES - 9014** 

#### **FEATURES**



PRODUCT CODE		ELECTRICAL
9014		Rated operation
CONNECTIONS		voltage
Inlet/Outlet (BPSM)	DN-350 (14")	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/°		Electric motor consumption (A)
Max. fluid temperature	50 / 122 (Any others,	Power Supply (k)
Max. Huid temperature	ask SF)	DIMENSIONS
WEIGHT (KG / LBS)		A 1774 / 69,84
Unladen weight	610 / 277	B 400 / 15,75
FILTRATION		C 900 / 35,43
Filtering surface (cm²/ft²)	21300 / 22,93	D 350 / 13,78
Filtration degrees (µm)	1000, 500, 300, 200, 125, 100, 80, 50, 25, 20, 10	MATERIALS Filter housing and
BACKWASHING	26, 16	
Backwashing valve	G-2" Thread	Coating
No. Valves		Suction scanner
Backwash cycle time (s)	22 - 30	Filtration screen
Backwashing flow rate	25 / 110	Brush
(m³/h / gpm) (*)		Suction nozzles
Backwashing water consumption (I / gal)	175 / 46	Backwashing val
FLOW (M <sup>3</sup> /H / GPM)		Bolts & nuts
		Seals
Max. Flow	1800 / 7925	UV DATA
High quality	900 / 3963	Ultraviolet lamp
<i>3</i> ···- <i>1</i> ··- <i>y</i>		No. lamps
N.A. 12	700 / 0170	LIV Clamp power

ELECTRICAL	
Rated operation voltage	220 V AC 50 Hz mono- phase-(Optional-Option 400 V AC Three-phase)
Control voltage	24 V DC (12 V DC supply)
Electric Motor Power (kW/HP)	0,37 / 0,50 (0,25 / 0,34 in option-12V)
Electric motor consumption (A)	1,4
Power Supply (kW)	-
DIMENSIONS (M	IM / INCHES)
A 1774 / 69,84 E	E 480 / 18,90 J -
B 400 / 15,75 F	608 / 23,94 L -
C 900 / 35,43	3 3166 / 124,65
D 350 / 13,78 H	1 -
MATERIALS	
Filter housing and li	ds S-235-JR
Coating	Kiln Polymerized epoxy- polyester powder
Suction scanner	AISI-304
Filtration screen	AISI-316
Brush	-
Suction nozzles	PVC
Backwashing valve	Foundry with epoxy coating
Bolts & nuts	5.6 & 5.8 Bichromated
Seals	NBR - EPDM - Viton
UV DATA	
Ultraviolet lamp	-
No. lamps	-
UV-C lamp power	-
UV (with 55% trans	mittance) -

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720 / 3170

540 / 2378



Medium quality

