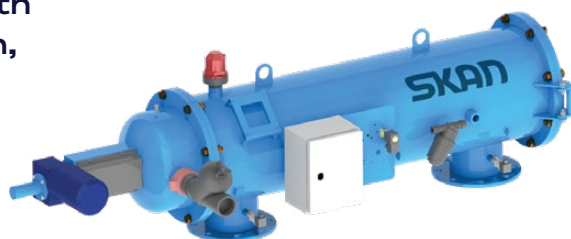


FMA-4000E series

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

FEATURES

- 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.

OPERATIONAL REQUIREMENTS

PRODUCT CODE

4003E

CONNECTIONS

Inlet/Outlet (BPSM) DN-80 (3")

OPERATING PRESSURES (BAR / PSI)

Min./Max. working pressure 2 - 10 / 29 - 145 (Any others, ask SF)

TEMPERATURE (°C/°F)

Max. fluid temperature 50 / 122 (Any others, ask SF)

WEIGHT (KG / LBS)

Unladen weight 105 / 231

FILTRATION

Filtering surface (cm²/ft²) 2475 / 2,66

Filtration degrees (µm) 1000, 500, 300, 200, 125, 74

BACKWASHING

Backwashing valve G-2" Thread

No. Valves

Backwash cycle time (s) 20

Backwashing flow rate (m³/h / gpm) (*) 5 / 22

Backwashing water consumption (l / gal) 25 / 7

FLOW (M³/H / GPM)

Max. Flow 110 / 484

High quality 70 / 308

Medium quality 50 / 220

Low quality 35 / 154

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 156 / 6,14 E 712 / 28,03 J 300 / 11,81

B 360 / 14,17 F 900 / 35,43 L 642 / 25,75

C 196 / 7,72 G 1452 / 57,17

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 valves PP

Bolts & nuts 5.6 Bichromated

Seals NBR - EPDM - Viton

UV DATA

Ultraviolet lamp -

No. lamps -

UV-C lamp power -

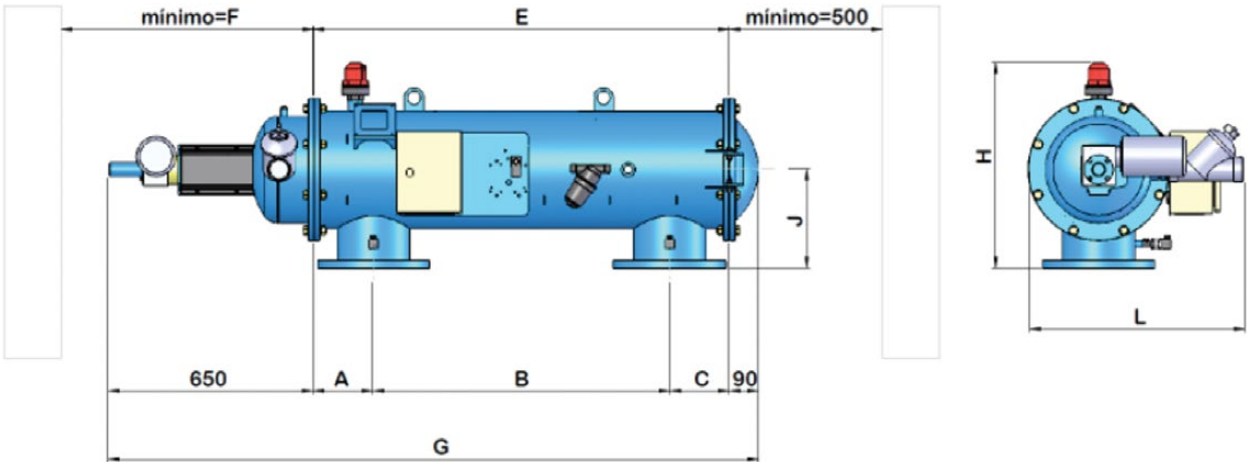
UV (with 55% transmittance) -

Disclaimer. Southland Filtration reserves the right to, at any time change any details of design, specifications and performance figures of any published data.

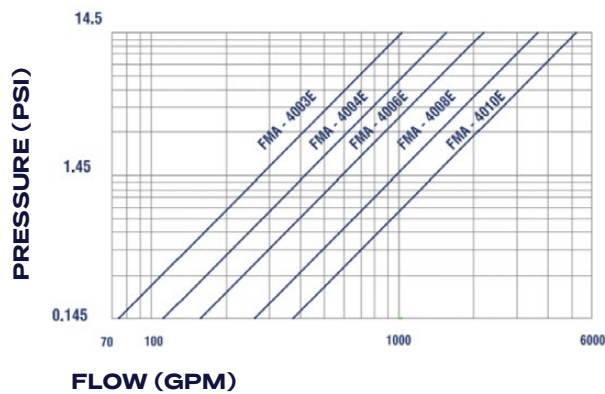
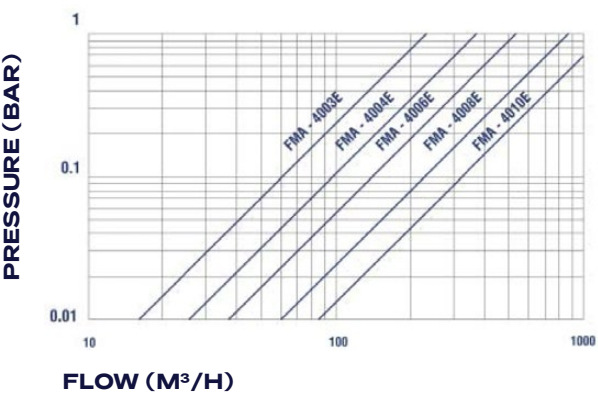
Freecall 1800 656 771
southlandfiltration.com.au

southland
 FILTRATION

PLANS/DRAWINGS



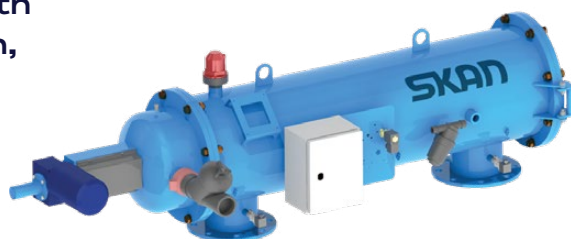
HEAD LOSS



FMA-4000E series

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 - 4004E

FEATURES

- 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.

Freecall 1800 656 771
southlandfiltration.com.au

OPERATIONAL REQUIREMENTS

PRODUCT CODE

4004E

CONNECTIONS

Inlet/Outlet (BPSM) DN-100 (4")

OPERATING PRESSURES (BAR / PSI)

Min./Max. working pressure 2 - 10 / 29 - 145 (Any others, ask SF)

TEMPERATURE (°C/°F)

Max. fluid temperature 50 / 122 (Any others, ask SF)

WEIGHT (KG / LBS)

Unladen weight 120 / 265

FILTRATION

Filtering surface (cm²/ft²) 4950 / 5,32

Filtration degrees (µm) 1000, 500, 300, 200, 125, 74

BACKWASHING

Backwashing valve G-2" Thread

No. Valves

Backwash cycle time (s) 20

Backwashing flow rate (m³/h / gpm) (*) 10 / 44

Backwashing water consumption (l / gal) 55 / 15

FLOW (M³/H / GPM)

Max. Flow 200 / 880

High quality 90 / 396

Medium quality 70 / 308

Low quality 55 / 242

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 111 / 4,37 E 987 / 38,86 J 300 / 11,81

B 770 / 30,31 F 900 / 35,43 L 655 / 25,79

C 106 / 4,17 G 1727/ 67,99

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 valves PP

Bolts & nuts 5.6 Bichromated

Seals NBR - EPDM - Viton

UV DATA

Ultraviolet lamp -

No. lamps -

UV-C lamp power -

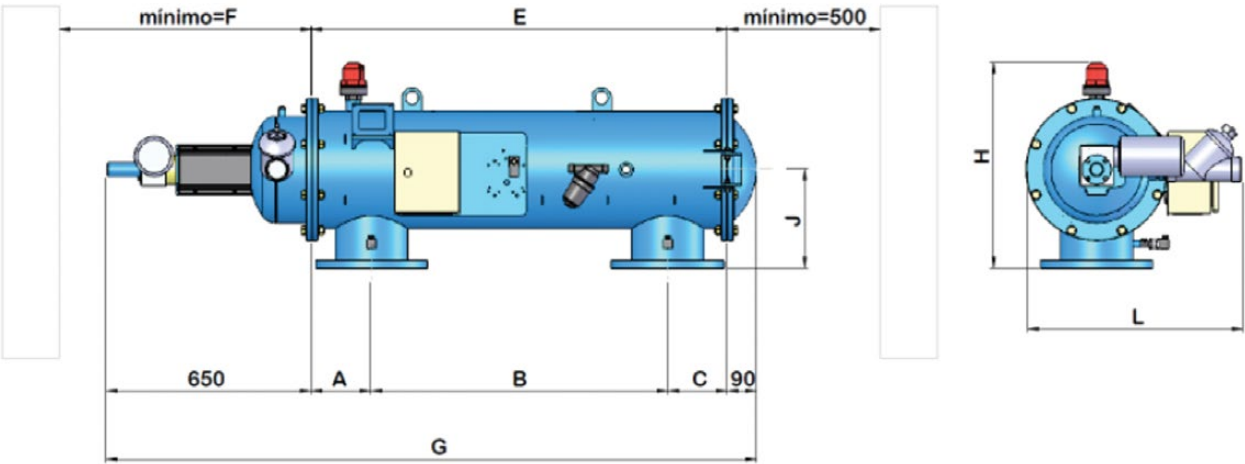
UV (with 55% transmittance) -

Disclaimer. Southland Filtration reserves the right to, at any time change any details of design, specifications and performance figures of any published data.

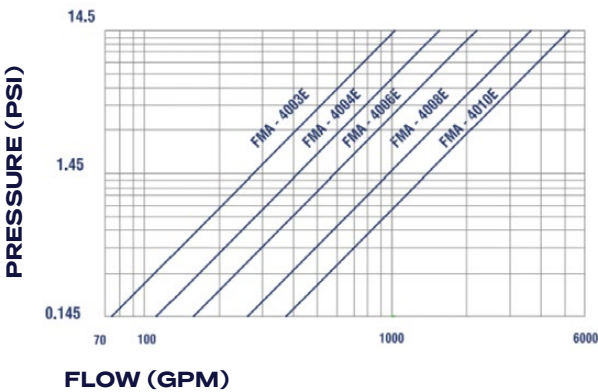
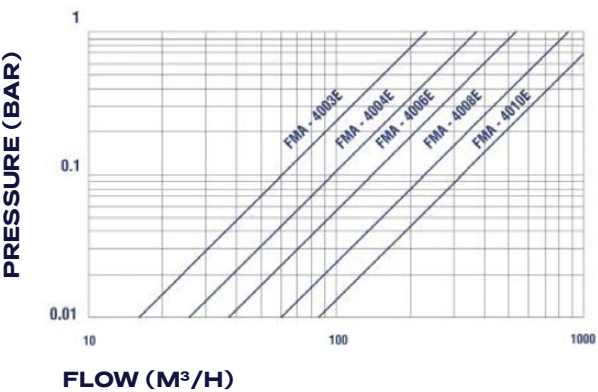
Freecall 1800 656 771
southlandfiltration.com.au

southland
 FILTRATION

PLANS/DRAWINGS



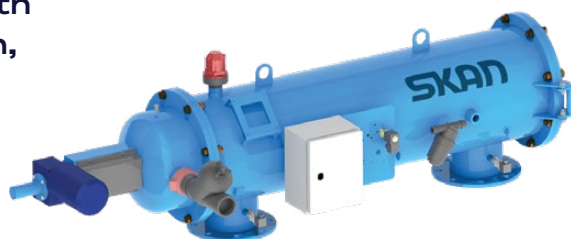
HEAD LOSS



FMA-4000E series

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 - 4006E

FEATURES

- 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.

Freecall 1800 656 771
southlandfiltration.com.au

OPERATIONAL REQUIREMENTS

PRODUCT CODE	
4006E	
CONNECTIONS	
Inlet/Outlet (BPSM)	DN-150 (6")
OPERATING PRESSURES (BAR / PSI)	
Min./Max. working pressure	2 - 10 / 29 - 145 (Any others, ask SF)
TEMPERATURE (°C/°F)	
Max. fluid temperature	50 / 122 (Any others, ask SF)
WEIGHT (KG / LBS)	
Unladen weight	135 / 298
FILTRATION	
Filtering surface (cm ² /ft ²)	7425 / 7,99
Filtration degrees (µm)	1000, 500, 300, 200, 125, 74
BACKWASHING	
Backwashing valve	G-2" Thread
No. Valves	
Backwash cycle time (s)	20
Backwashing flow rate (m ³ /h / gpm) (*)	15 / 66
Backwashing water consumption (l / gal)	85 / 22
FLOW (M ³ /H / GPM)	
Max. Flow	270 / 1189
High quality	160 / 704
Medium quality	120 / 528
Low quality	90 / 396

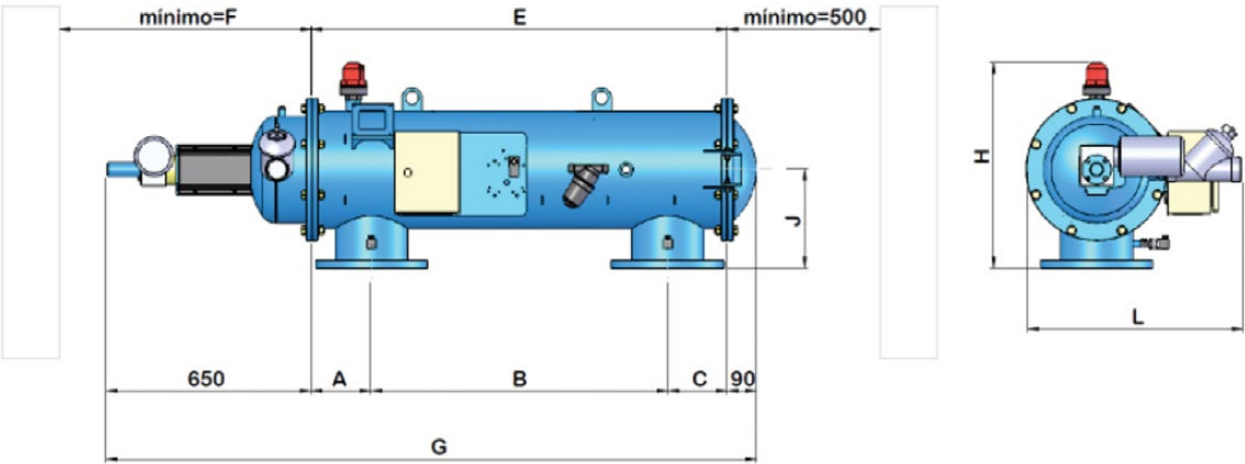
ELECTRICAL	
Rated operation voltage	220 V AC 50 Hz mono-phase
Control voltage	24 V DC
Electric Motor Power (kW/HP)	0,18 / 0,24
Electric motor consumption (A)	0,72
Power Supply (kW)	-
DIMENSIONS (MM / INCHES)	
A 181 / 7,13	E 1262/49,69 J 300 / 11,81
B 900 / 35,43	F 970 / 38,19 L 676 / 26,61
C 181 / 7,13	G 2002/ 78,82
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 valves	PP
Bolts & nuts	5.6 Bichromated
Seals	NBR - EPDM - Viton
UV DATA	
Ultraviolet lamp	-
No. lamps	-
UV-C lamp power	-
UV (with 55% transmittance)	-

Disclaimer. Southland Filtration reserves the right to, at any time change any details of design, specifications and performance figures of any published data.

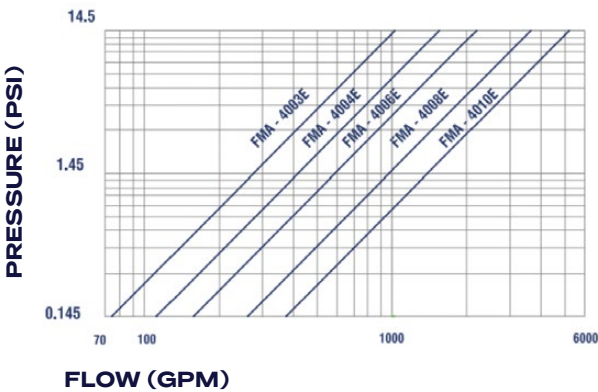
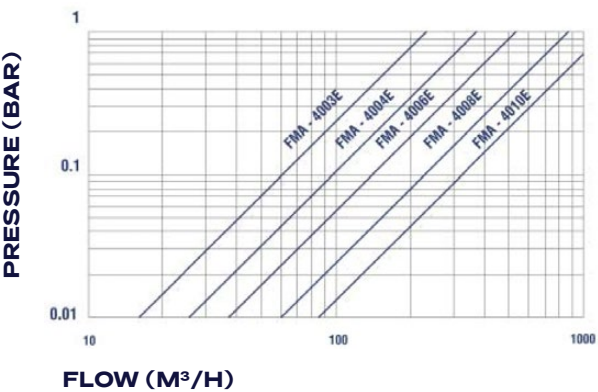
Freecall 1800 656 771
southlandfiltration.com.au

southland
FILTRATION

PLANS/DRAWINGS



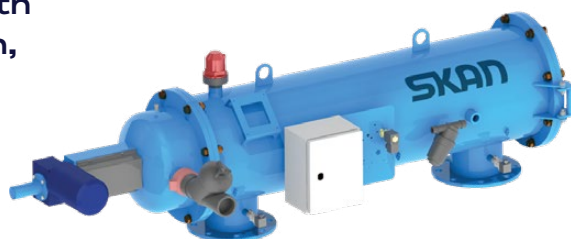
HEAD LOSS



FMA-4000E series

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 - 4008E

FEATURES

- 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.

Freecall 1800 656 771
southlandfiltration.com.au

OPERATIONAL REQUIREMENTS

PRODUCT CODE

4008E

CONNECTIONS

Inlet/Outlet (BPSM) DN-200 (8")

OPERATING PRESSURES (BAR / PSI)

Min./Max. working pressure 2 - 10 / 29 - 145 (Any others, ask SF)

TEMPERATURE (°C/°F)

Max. fluid temperature 50 / 122 (Any others, ask SF)

WEIGHT (KG / LBS)

Unladen weight 150 / 331

FILTRATION

Filtering surface (cm²/ft²) 9900 / 10,65

Filtration degrees (µm) 1000, 500, 300, 200, 125, 74

BACKWASHING

Backwashing valve G-2" Thread

No. Valves

Backwash cycle time (s) 20

Backwashing flow rate (m³/h / gpm) (*) 20 / 8

Backwashing water consumption (l / gal) 110 / 29

FLOW (M³/H / GPM)

Max. Flow 410 / 1805

High quality 250 / 1100

Medium quality 190 / 837

Low quality 140 / 616

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 valves PP

Bolts & nuts 5.6 Bichromated

Seals NBR - EPDM - Viton

UV DATA

Ultraviolet lamp -

No. lamps -

UV-C lamp power -

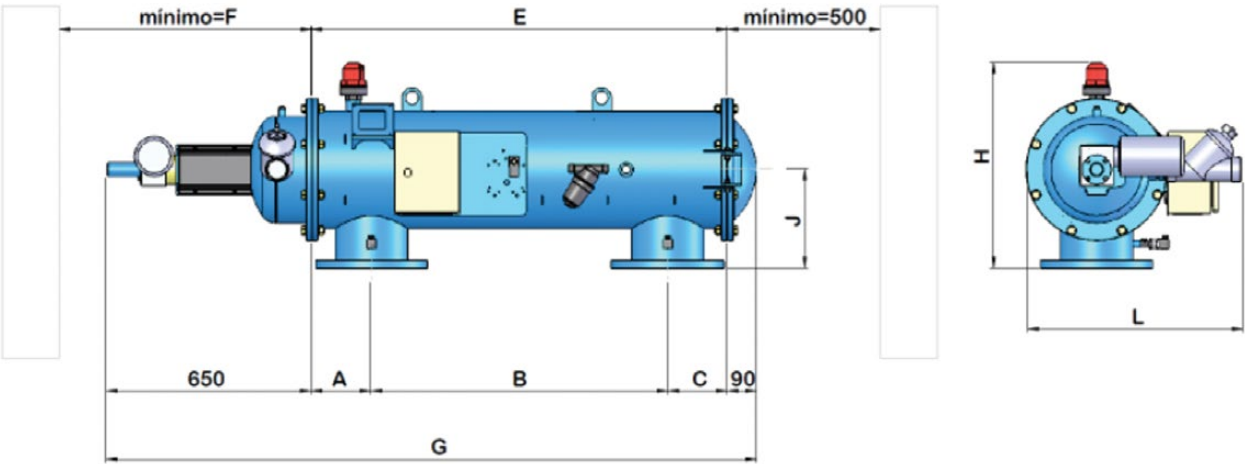
UV (with 55% transmittance) -

Disclaimer. Southland Filtration reserves the right to, at any time change any details of design, specifications and performance figures of any published data.

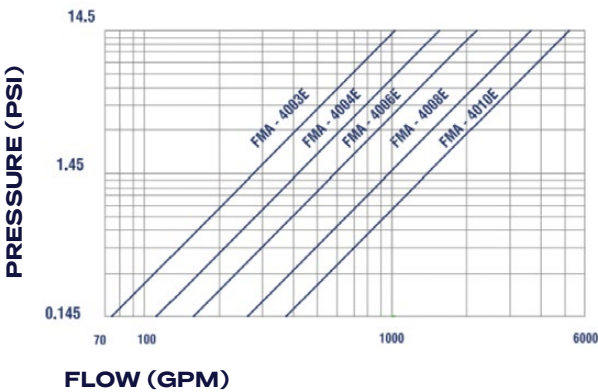
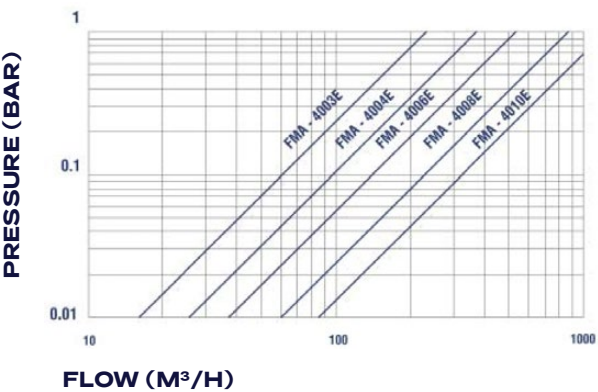
Freecall 1800 656 771
southlandfiltration.com.au

southland
 FILTRATION

PLANS/DRAWINGS



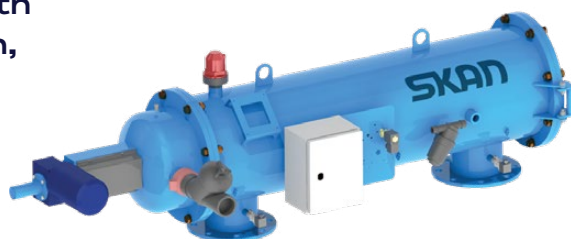
HEAD LOSS



FMA-4000E series

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 - 4010E

FEATURES

- 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.

Freecall 1800 656 771
southlandfiltration.com.au

OPERATIONAL REQUIREMENTS

PRODUCT CODE

4010E

CONNECTIONS

Inlet/Outlet (BPSM) DN-250 (10")

OPERATING PRESSURES (BAR / PSI)

Min./Max. working pressure 2 - 10 / 29 - 145 (Any others, ask SF)

TEMPERATURE (°C/°F)

Max. fluid temperature 50 / 122 (Any others, ask SF)

WEIGHT (KG / LBS)

Unladen weight 170 / 375

FILTRATION

Filtering surface (cm²/ft²) 12375 / 13,32

Filtration degrees (µm) 1000, 500, 300, 200, 125, 74

BACKWASHING

Backwashing valve G-2" Thread

No. Valves

Backwash cycle time (s) 20

Backwashing flow rate (m³/h / gpm) (*) 25 / 110

Backwashing water consumption (l / gal) 140 / 37

FLOW (M³/H / GPM)

Max. Flow 580 / 2555

High quality 320 / 1410

Medium quality 270 / 1189

Low quality 190 / 837

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 valves PP

Bolts & nuts 5.6 Bichromated

Seals NBR - EPDM - Viton

UV DATA

Ultraviolet lamp -

No. lamps -

UV-C lamp power -

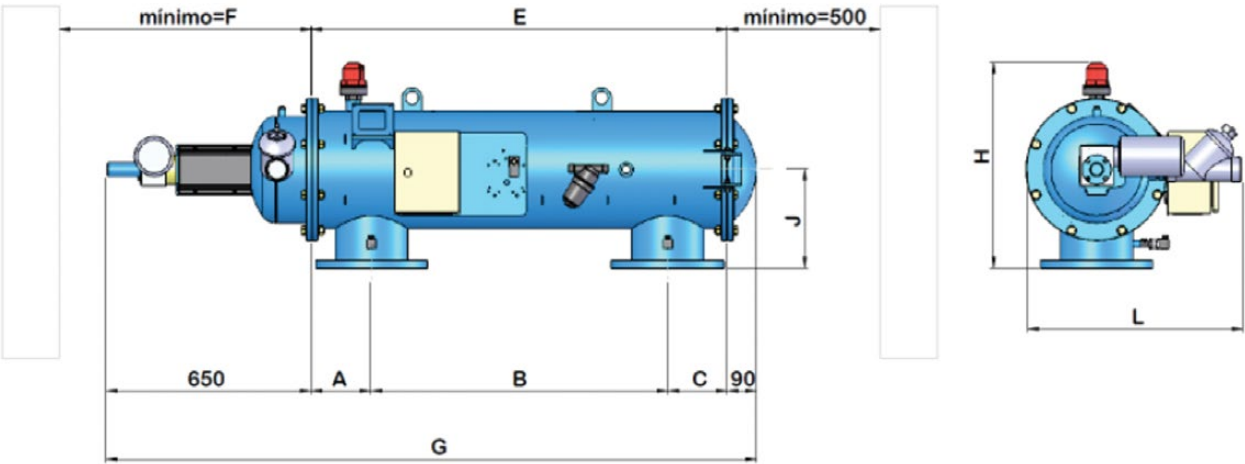
UV (with 55% transmittance) -

Disclaimer. Southland Filtration reserves the right to, at any time change any details of design, specifications and performance figures of any published data.

Freecall 1800 656 771
southlandfiltration.com.au

southland
 FILTRATION

PLANS/DRAWINGS



HEAD LOSS

