

## FMA-11000 Series

# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

The SKAN FMA-11000 automatic mesh filters are specifically designed to meet the filtration needs of industries requiring high filtration degrees. Featuring a vertically arranged model and a scraper-based cleaning system, these filters are perfect for removing large solids, making them an ideal solution for irrigation, municipal, and industrial applications



### FMA-11000 SERIES - 11006

## FEATURES

- The advanced scraper-based cleaning system efficiently removes large solids, ensuring continuous filtration and reducing maintenance needs.
- Specially designed for applications requiring high filtration precision, delivering clean and reliable results.
- The vertical arrangement maximizes the filtration surface while conserving installation space.
- Provides an excellent roughing filtration solution, particularly for irrigation systems and municipal water treatment.
- Suitable for drinking water facilities, desalination plants, food production, co-generation plants, chemical industries, cooling towers, field irrigation, and golf courses.
- Built to handle demanding environments, ensuring consistent filtration in both industrial and agricultural applications.

Freecall 1800 656 771  
[southlandfiltration.com.au](http://southlandfiltration.com.au)

# OPERATIONAL REQUIREMENTS

## PRODUCT CODE

11006

## CONNECTIONS

Inlet/Outlet (BPSM) DN-150 (6")

## OPERATING PRESSURES (BAR / PSI)

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

## TEMPERATURE (°C/°F)

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

## WEIGHT (KG / LBS)

Unladen weight 310 / 141

## FILTRATION

Filtering surface (cm<sup>2</sup>/ft<sup>2</sup>) 7990 / 8,60

Filtration degrees (µm) 4000, 3000, 2000, 1500, 1000

## BACKWASHING

Backwashing valve G-2" Thread

No. Valves -

Backwash cycle time (s) 10 - 20

Backwashing flow rate (m<sup>3</sup>/h / gpm) (\*) 50 / 220

Backwashing water consumption (l / gal) 280 / 74

## FLOW (M<sup>3</sup>/H / GPM)

Max. Flow 500 / 2201

High quality 375 / 1651

Medium quality 320 / 1409

Low quality 220 / 969

## ELECTRICAL

Rated operation voltage 380 V

Control voltage 24 V DC (12 V DC supply)

Electric Motor Power (kW/HP) 0,75 / 1,01

Electric motor consumption (A) 0,72

Power Supply (kW) -

## DIMENSIONS (MM / INCHES)

A 1194 / 47,01 E 410 / 16,14 J -

B 350 / 13,78 F 457 / 17,99 L -

C 600 / 23,62 G 2036 / 80,16

D 150 / 5,91 H -

## MATERIALS

Filter housing and lids S-235-JR

Coating Kiln Polymerized epoxy-polyester powder

Suction scanner AISI-304

Filtration screen AISI-316

Brush PE + PA

Suction nozzles -

Backwashing valves Epoxy coating

Bolts & nuts 5.6 & 5.8 Bichromated

Seals NBR - EPDM - Viton

## UV DATA

Ultraviolet lamp -

No. lamps -

UV-C lamp power -

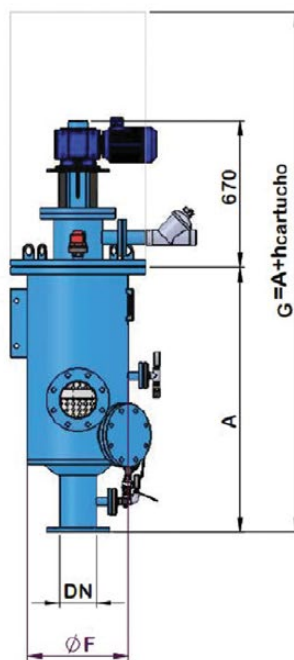
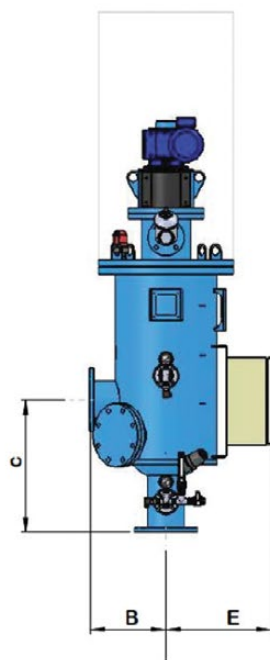
UV (with 55% transmittance) -

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](http://southlandfiltration.com.au)

**southland**  
 FILTRATION

# PLANS/DRAWINGS



## FMA-11000 Series

# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

The SKAN FMA-11000 automatic mesh filters are specifically designed to meet the filtration needs of industries requiring high filtration degrees. Featuring a vertically arranged model and a scraper-based cleaning system, these filters are perfect for removing large solids, making them an ideal solution for irrigation, municipal, and industrial applications



### FMA-11000 SERIES - 11008

## FEATURES

- The advanced scraper-based cleaning system efficiently removes large solids, ensuring continuous filtration and reducing maintenance needs.
- Specially designed for applications requiring high filtration precision, delivering clean and reliable results.
- The vertical arrangement maximizes the filtration surface while conserving installation space.
- Provides an excellent roughing filtration solution, particularly for irrigation systems and municipal water treatment.
- Suitable for drinking water facilities, desalination plants, food production, co-generation plants, chemical industries, cooling towers, field irrigation, and golf courses.
- Built to handle demanding environments, ensuring consistent filtration in both industrial and agricultural applications.

Freecall 1800 656 771  
[southlandfiltration.com.au](http://southlandfiltration.com.au)

# OPERATIONAL REQUIREMENTS

## PRODUCT CODE

11008

## CONNECTIONS

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

## OPERATING PRESSURES (BAR / PSI)

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

## TEMPERATURE (°C/°F)

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

## WEIGHT (KG / LBS)

Unladen weight 365 / 166

## FILTRATION

Filtering surface (cm<sup>2</sup>/ft<sup>2</sup>) 10600 / 11,41

Filtration degrees (µm) 4000, 3000, 2000, 1500, 1000

## BACKWASHING

Backwashing valve G-2" Thread

No. Valves -

Backwash cycle time (s) 10 - 20

Backwashing flow rate (m<sup>3</sup>/h / gpm) (\*) 50 / 220

Backwashing water consumption (l / gal) 280 / 74

## FLOW (M<sup>3</sup>/H / GPM)

Max. Flow 700 / 3082

High quality 650 / 2862

Medium quality 530 / 2334

Low quality 400 / 1761

## ELECTRICAL

Rated operation voltage 380 V

Control voltage 24 V DC (12 V DC supply)

Electric Motor Power (kW/HP) 0,75 / 1,01

Electric motor consumption (A) 0,72

Power Supply (kW) -

## DIMENSIONS (MM / INCHES)

A 1469 / 57,83 E 480 / 18,90 J -

B 350 / 13,78 F 457 / 17,99 L -

C 900 / 35,43 G 2586 / 101,81

D 200 / 7,87 H -

## MATERIALS

Filter housing and lids S-235-JR

Coating Kiln Polymerized epoxy-polyester powder

Suction scanner AISI-304

Filtration screen AISI-316

Brush PE + PA

Suction nozzles -

Backwashing valves Epoxy coating

Bolts & nuts 5.6 & 5.8 Bichromated

Seals NBR - EPDM - Viton

## UV DATA

Ultraviolet lamp -

No. lamps -

UV-C lamp power -

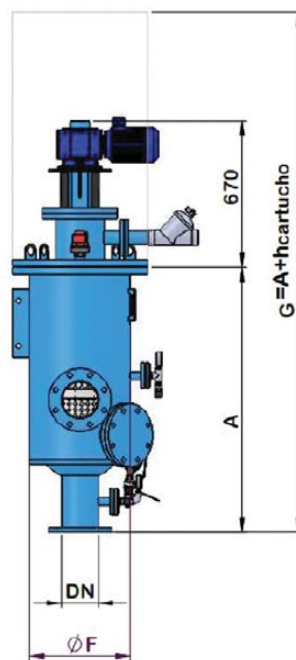
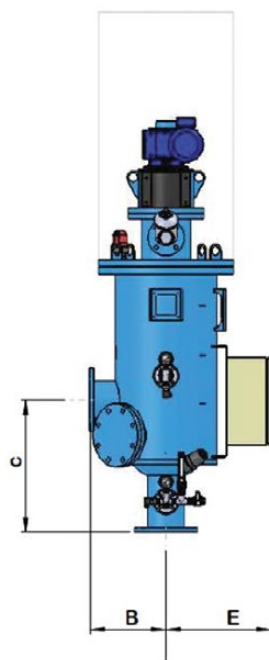
UV (with 55% transmittance) -

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](http://southlandfiltration.com.au)

**southland**  
 FILTRATION

# PLANS/DRAWINGS



## FMA-11000 Series

# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

The SKAN FMA-11000 automatic mesh filters are specifically designed to meet the filtration needs of industries requiring high filtration degrees. Featuring a vertically arranged model and a scraper-based cleaning system, these filters are perfect for removing large solids, making them an ideal solution for irrigation, municipal, and industrial applications



### FMA-11000 SERIES - 11010

## FEATURES

- The advanced scraper-based cleaning system efficiently removes large solids, ensuring continuous filtration and reducing maintenance needs.
- Specially designed for applications requiring high filtration precision, delivering clean and reliable results.
- The vertical arrangement maximizes the filtration surface while conserving installation space.
- Provides an excellent roughing filtration solution, particularly for irrigation systems and municipal water treatment.
- Suitable for drinking water facilities, desalination plants, food production, co-generation plants, chemical industries, cooling towers, field irrigation, and golf courses.
- Built to handle demanding environments, ensuring consistent filtration in both industrial and agricultural applications.

Freecall 1800 656 771  
[southlandfiltration.com.au](http://southlandfiltration.com.au)

# OPERATIONAL REQUIREMENTS

## PRODUCT CODE

11010

## CONNECTIONS

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

## OPERATING PRESSURES (BAR / PSI)

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

## TEMPERATURE (°C/°F)

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

## WEIGHT (KG / LBS)

Unladen weight 405 / 184

## FILTRATION

Filtering surface (cm<sup>2</sup>/ft<sup>2</sup>) 13210 / 14,22

Filtration degrees (µm) 4000, 3000, 2000, 1500, 1000

## BACKWASHING

Backwashing valve G-2" Thread

No. Valves -

Backwash cycle time (s) 10 - 20

Backwashing flow rate (m<sup>3</sup>/h / gpm) (\*) 50 / 220

Backwashing water consumption (l / gal) 390 / 103

## FLOW (M<sup>3</sup>/H / GPM)

Max. Flow 1150 / 5063

High quality 975 / 4293

Medium quality 780 / 3434

Low quality 625 / 2752

## ELECTRICAL

Rated operation voltage 380 V

Control voltage 24 V DC (12 V DC supply)

Electric Motor Power (kW/HP) 1,5 / 2,01

Electric motor consumption (A) 0,72

Power Supply (kW) -

## DIMENSIONS (MM / INCHES)

A 1744 / 68,66 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 -

## MATERIALS

Filter housing and lids S-235-JR

Coating Kiln Polymerized epoxy-polyester powder

Suction scanner AISI-304

Filtration screen AISI-316

Brush PE + PA

Suction nozzles -

Backwashing valves 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% transmittance) -

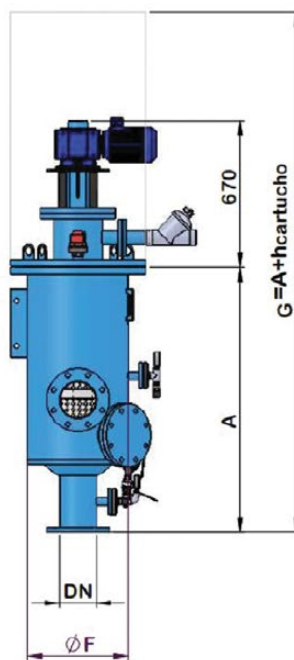
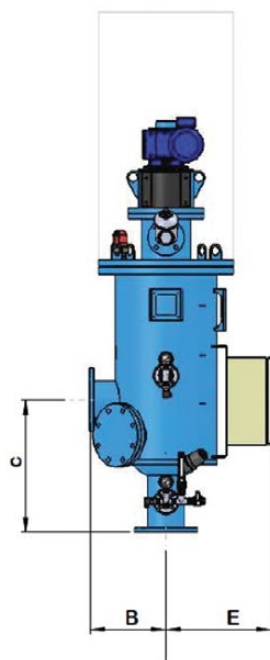
Disclaimer. Southland Filtration reserves the right to, at any time change any details of design, specifications and performance figures of any published data.

**Freecall 1800 656 771**  
[southlandfiltration.com.au](http://southlandfiltration.com.au)

**southland**  
 FILTRATION



# PLANS/DRAWINGS



## FMA-11000 Series

# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

The SKAN FMA-11000 automatic mesh filters are specifically designed to meet the filtration needs of industries requiring high filtration degrees. Featuring a vertically arranged model and a scraper-based cleaning system, these filters are perfect for removing large solids, making them an ideal solution for irrigation, municipal, and industrial applications



### FMA-11000 SERIES - 11012

## FEATURES

- The advanced scraper-based cleaning system efficiently removes large solids, ensuring continuous filtration and reducing maintenance needs.
- Specially designed for applications requiring high filtration precision, delivering clean and reliable results.
- The vertical arrangement maximizes the filtration surface while conserving installation space.
- Provides an excellent roughing filtration solution, particularly for irrigation systems and municipal water treatment.
- Suitable for drinking water facilities, desalination plants, food production, co-generation plants, chemical industries, cooling towers, field irrigation, and golf courses.
- Built to handle demanding environments, ensuring consistent filtration in both industrial and agricultural applications.

Freecall 1800 656 771  
[southlandfiltration.com.au](http://southlandfiltration.com.au)

# OPERATIONAL REQUIREMENTS

## PRODUCT CODE

11012

## CONNECTIONS

Inlet/Outlet (BPSM) DN-300 (12")

## OPERATING PRESSURES (BAR / PSI)

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

## TEMPERATURE (°C/°F)

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

## WEIGHT (KG / LBS)

Unladen weight 550 / 250

## FILTRATION

Filtering surface (cm<sup>2</sup>/ft<sup>2</sup>) 16500 / 17,76

Filtration degrees (µm) 4000, 3000, 2000, 1500, 1000

## BACKWASHING

Backwashing valve G-2" Thread

No. Valves -

Backwash cycle time (s) 10 - 20

Backwashing flow rate (m<sup>3</sup>/h / gpm) (\*) 70 / 308

Backwashing water consumption (l / gal) 390 / 103

## FLOW (M<sup>3</sup>/H / GPM)

Max. Flow 1400 / 6164

High quality 1175 / 5173

Medium quality 940 / 4139

Low quality 750 / 3302

## ELECTRICAL

Rated operation voltage 380 V

Control voltage 24 V DC (12 V DC supply)

Electric Motor Power (kW/HP) 1,5 / 2,01

Electric motor consumption (A) 0,72

Power Supply (kW) -

## DIMENSIONS (MM / INCHES)

A 1499 / 59,02 E 480 / 18,90 J -

B 400 / 15,75 F 608 / 23,94 L -

C 900 / 35,43 G 2616 / 102,99

D 300 / 11,81 H -

## MATERIALS

Filter housing and lids S-235-JR

Coating Kiln Polymerized epoxy-polyester powder

Suction scanner AISI-304

Filtration screen AISI-316

Brush PE + PA

Suction nozzles -

Backwashing valves Epoxy coating

Bolts & nuts 5.6 & 5.8 Bichromated

Seals NBR - EPDM - Viton

## UV DATA

Ultraviolet lamp -

No. lamps -

UV-C lamp power -

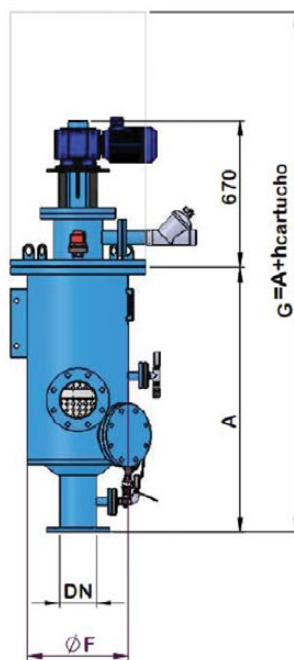
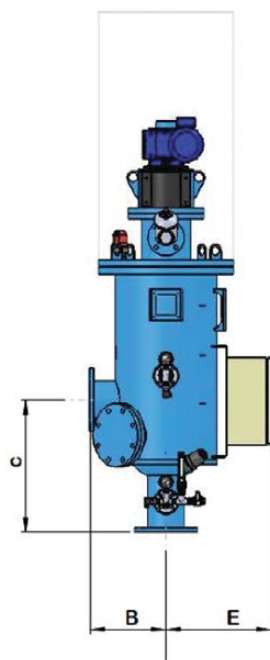
UV (with 55% transmittance) -

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](http://southlandfiltration.com.au)

**southland**  
 FILTRATION

# PLANS/DRAWINGS



## FMA-11000 Series

# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

The SKAN FMA-11000 automatic mesh filters are specifically designed to meet the filtration needs of industries requiring high filtration degrees. Featuring a vertically arranged model and a scraper-based cleaning system, these filters are perfect for removing large solids, making them an ideal solution for irrigation, municipal, and industrial applications



### FMA-11000 SERIES - 11014

## FEATURES

- The advanced scraper-based cleaning system efficiently removes large solids, ensuring continuous filtration and reducing maintenance needs.
- Specially designed for applications requiring high filtration precision, delivering clean and reliable results.
- The vertical arrangement maximizes the filtration surface while conserving installation space.
- Provides an excellent roughing filtration solution, particularly for irrigation systems and municipal water treatment.
- Suitable for drinking water facilities, desalination plants, food production, co-generation plants, chemical industries, cooling towers, field irrigation, and golf courses.
- Built to handle demanding environments, ensuring consistent filtration in both industrial and agricultural applications.

Freecall 1800 656 771  
[southlandfiltration.com.au](http://southlandfiltration.com.au)

# OPERATIONAL REQUIREMENTS

## PRODUCT CODE

11014

## CONNECTIONS

Inlet/Outlet (BPSM) DN-350 (14")

## OPERATING PRESSURES (BAR / PSI)

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

## TEMPERATURE (°C/°F)

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

## WEIGHT (KG / LBS)

Unladen weight 610 / 277

## FILTRATION

Filtering surface (cm<sup>2</sup>/ft<sup>2</sup>) 21300 / 22,93

Filtration degrees (µm) 4000, 3000, 2000, 1500, 1000

## BACKWASHING

Backwashing valve G-2" Thread

No. Valves -

Backwash cycle time (s) 10 - 20

Backwashing flow rate (m<sup>3</sup>/h / gpm) (\*) 70 / 308

Backwashing water consumption (l / gal) 390 / 103

## FLOW (M<sup>3</sup>/H / GPM)

Max. Flow 1800 / 7925

High quality 1500 / 6604

Medium quality 1200 / 5283

Low quality 960 / 4227

## ELECTRICAL

Rated operation voltage 380 V

Control voltage 24 V DC (12 V DC supply)

Electric Motor Power (kW/HP) 1,5 / 2,01

Electric motor consumption (A) 0,72

Power Supply (kW) -

## DIMENSIONS (MM / INCHES)

A 1774 / 69,84 E 480 / 18,90 J -

B 400 / 15,75 F 608 / 23,94 L -

C 900 / 35,43 G 3166 / 124,65

D 350 / 13,78 H -

## MATERIALS

Filter housing and lids S-235-JR

Coating Kiln Polymerized epoxy-polyester powder

Suction scanner AISI-304

Filtration screen AISI-316

Brush PE + PA

Suction nozzles -

Backwashing valves 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% 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](http://southlandfiltration.com.au)

**southland**  
 FILTRATION

# PLANS/DRAWINGS

