

## FMA-1000 Series

# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

The SKAN FMA-1000 automatic screen filters provide efficient, reliable filtration for a variety of industries and settings, helping you maintain clean water systems and protect valuable equipment, even in challenging environments. With a focus on low energy consumption and adaptable performance, these filters deliver the perfect solution for a wide range of applications.



### FMA-1000 SERIES - 1002

## FEATURES

- Ideal for remote or off-grid areas with no power supply due to its hydraulic operation system.
- Operates effectively at very low flow rates, minimizing water use for increased sustainability.
- Perfect for industries like drinking water facilities, desalination plants, food production, co-generation plants, and chemical industries.
- Also suited for cooling towers, field irrigation, and golf courses, providing a flexible filtration solution for various needs.

# OPERATIONAL REQUIREMENTS

## PRODUCT CODE

1002

## CONNECTIONS

Inlet/Outlet (BPSM) DN-50 (2")

## OPERATING PRESSURES (BAR / PSI)

Min./Max. working pressure 2,5 - 10 / 36 - 145  
(Any others, ask SF)

## TEMPERATURE (°C/°F)

Max. fluid temperature 49 / 122 (Any others, ask SF)

## WEIGHT (KG / LBS)

Unladen weight 34 / 75

## FILTRATION

Filtering surface (cm<sup>2</sup>/ft<sup>2</sup>) 1600 / 1,72

Filtration degrees (µm) 1000, 500, 300, 200, 125, 100, 74

## BACKWASHING

Backwashing valve G-1 1/2" / NPT 1 1/2"

No. Valves

Backwash cycle time (s) 16

Backwashing flow rate (m<sup>3</sup>/h / gpm) (\*) 5 / 22

Backwashing water consumption (l / gal) 22 / 6

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

Max. Flow 90 / 396

High quality 50 / 220

Medium quality 30 / 132

Low quality 20 / 88

## 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 (MM / INCHES)

A 260 / 10,24 E 950 / 37,40 J

B 300 / 11,81 F L

C 860 / 33,86 G

D 435 / 17,13 H

## MATERIALS

Filter housing and lids S-235-JR

Coating Cover with powder paint  
Kiln Polymerized epoxy-polyester powder R

Suction scanner PVC

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

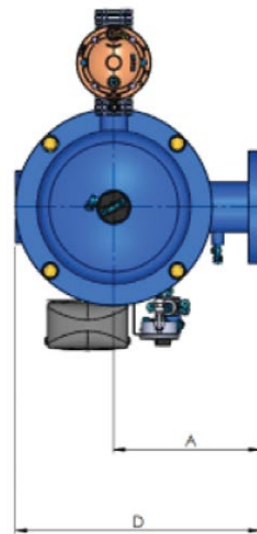
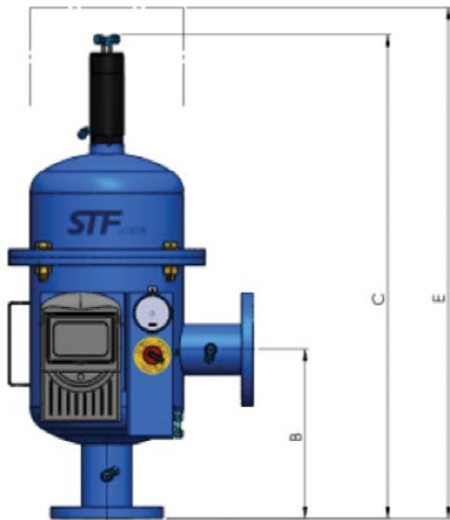
UV (with 55% transmittance)

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

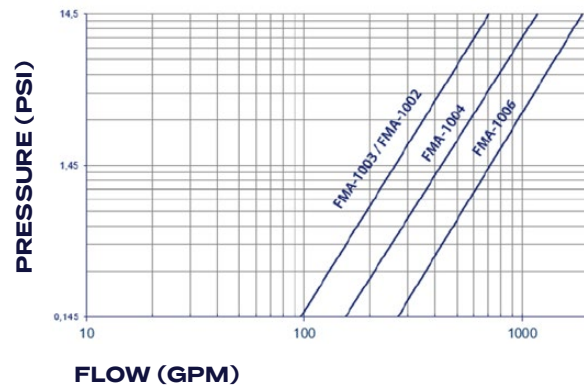
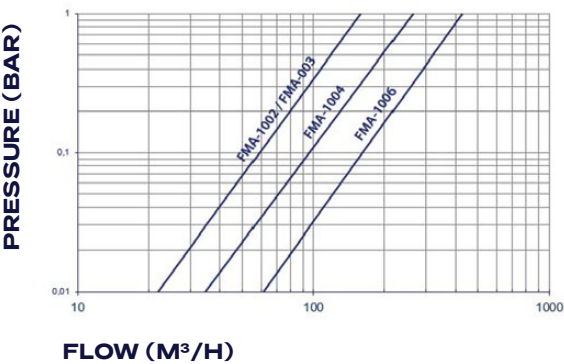
**Freecall 1800 656 771**  
**[southlandfiltration.com.au](http://southlandfiltration.com.au)**

**southland**  
FILTRATION

# PLANS/DRAWINGS



# HEAD LOSS



## FMA-1000 Series

# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

The SKAN FMA-1000 automatic screen filters provide efficient, reliable filtration for a variety of industries and settings, helping you maintain clean water systems and protect valuable equipment, even in challenging environments. With a focus on low energy consumption and adaptable performance, these filters deliver the perfect solution for a wide range of applications.



### FMA-1000 SERIES - 1003

## FEATURES

- Ideal for remote or off-grid areas with no power supply due to its hydraulic operation system.
- Operates effectively at very low flow rates, minimizing water use for increased sustainability.
- Perfect for industries like drinking water facilities, desalination plants, food production, co-generation plants, and chemical industries.
- Also suited for cooling towers, field irrigation, and golf courses, providing a flexible filtration solution for various needs.

# OPERATIONAL REQUIREMENTS

## PRODUCT CODE

1003

## CONNECTIONS

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

## OPERATING PRESSURES (BAR / PSI)

Min./Max. working pressure 2,5 - 10 / 36 - 145  
(Any others, ask SF)

## TEMPERATURE (°C/°F)

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

## WEIGHT (KG / LBS)

Unladen weight 36 / 79

## FILTRATION

Filtering surface (cm<sup>2</sup>/ft<sup>2</sup>) 1600 / 1,72

Filtration degrees (µm) 1000, 500, 300, 200, 125, 100, 74

## BACKWASHING

Backwashing valve G-1 1/2" / NPT 1 1/2"

No. Valves

Backwash cycle time (s) 16

Backwashing flow rate (m<sup>3</sup>/h / gpm) (\*) 5 / 22

Backwashing water consumption (l / gal) 22 / 6

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

Max. Flow 90 / 396

High quality 50 / 220

Medium quality 30 / 132

Low quality 20 / 88

## 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 (MM / INCHES)

A 260 / 10,24 E 950 / 37,40 J

B 300 / 11,81 F L

C 860 / 33,86 G

D 435 / 17,13 H

## MATERIALS

Filter housing and lids S-235-JR

Coating Cover with powder paint  
Kiln Polymerized epoxy-polyester powder R

Suction scanner PVC

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

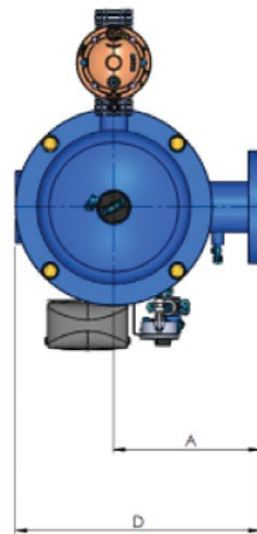
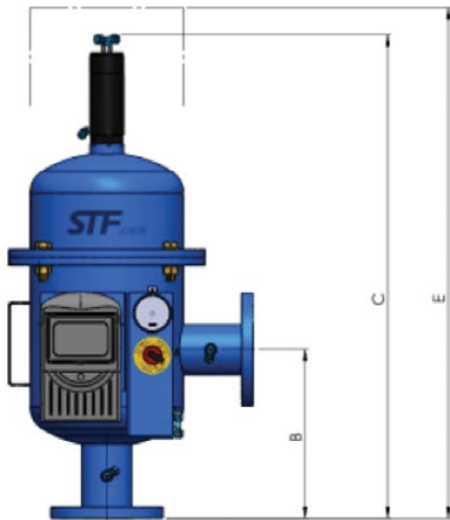
UV (with 55% transmittance)

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

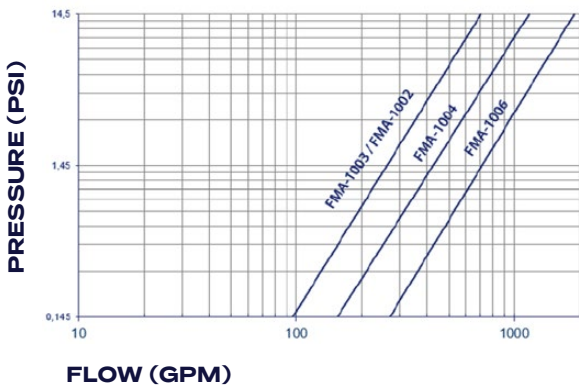
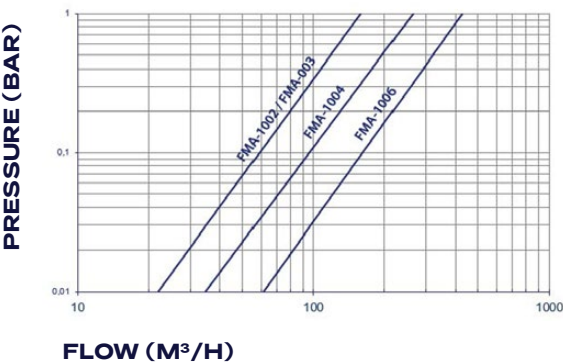
**Freecall 1800 656 771**  
**[southlandfiltration.com.au](http://southlandfiltration.com.au)**

**southland**  
FILTRATION

# PLANS/DRAWINGS



# HEAD LOSS



## FMA-1000 Series

# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

The SKAN FMA-1000 automatic screen filters provide efficient, reliable filtration for a variety of industries and settings, helping you maintain clean water systems and protect valuable equipment, even in challenging environments. With a focus on low energy consumption and adaptable performance, these filters deliver the perfect solution for a wide range of applications.



### FMA-1000 SERIES - 1004

## FEATURES

- Ideal for remote or off-grid areas with no power supply due to its hydraulic operation system.
- Operates effectively at very low flow rates, minimizing water use for increased sustainability.
- Perfect for industries like drinking water facilities, desalination plants, food production, co-generation plants, and chemical industries.
- Also suited for cooling towers, field irrigation, and golf courses, providing a flexible filtration solution for various needs.

# OPERATIONAL REQUIREMENTS

## PRODUCT CODE

1004

## CONNECTIONS

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

## OPERATING PRESSURES (BAR / PSI)

Min./Max. working pressure 2,5 - 10 / 36 - 145  
(Any others, ask SF )

## TEMPERATURE (°C/°F)

Max. fluid temperature 51 / 122 (Any others, ask SF)

## WEIGHT (KG / LBS)

Unladen weight 68 / 150

## FILTRATION

Filtering surface (cm<sup>2</sup>/ft<sup>2</sup>) 2475 / 2,66

Filtration degrees (µm) 1000, 500, 300, 200, 125, 100, 74

## BACKWASHING

Backwashing valve G-1" / NPT 1"

No. Valves

Backwash cycle time (s) 20

Backwashing flow rate (m<sup>3</sup>/h / gpm) (\*) 5 / 22

Backwashing water consumption (l / gal) 28 / 7

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

Max. Flow 150 / 660

High quality 70 / 308

Medium quality 50 / 220

Low quality 25 / 110

## 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 (MM / INCHES)

A 290 / 11,42 E 900 / 35,43 J

B 350 / 13,77 F L

C 871 / 34,29 G

D 600 / 23,62 H

## MATERIALS

Filter housing and lids S-235-JR

Coating Cover with powder paint  
Kiln Polymerized epoxy-polyester powder R

Suction scanner PVC

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)

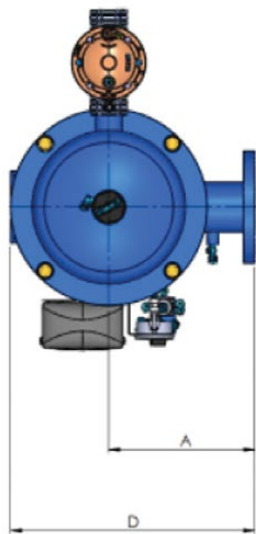
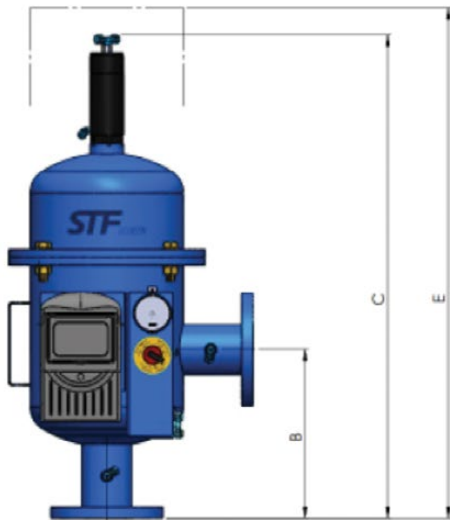
Disclaimer. Southland Filtration reserves the right to, at any time change any details of design, specifications and performance figures of any published data.

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

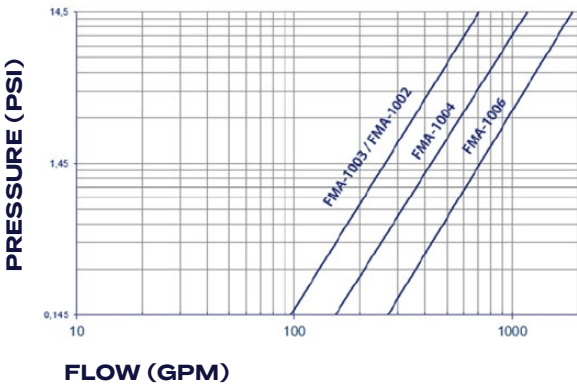
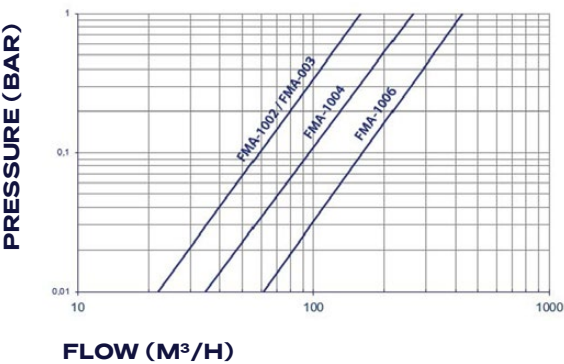
**southland**  
FILTRATION



# PLANS/DRAWINGS



# HEAD LOSS



## FMA-1000 Series

# FMA SELF-CLEANING ELECTRIC SCREEN FILTER

The SKAN FMA-1000 automatic screen filters provide efficient, reliable filtration for a variety of industries and settings, helping you maintain clean water systems and protect valuable equipment, even in challenging environments. With a focus on low energy consumption and adaptable performance, these filters deliver the perfect solution for a wide range of applications.



### FMA-1000 SERIES - 1006

## FEATURES

- Ideal for remote or off-grid areas with no power supply due to its hydraulic operation system.
- Operates effectively at very low flow rates, minimizing water use for increased sustainability.
- Perfect for industries like drinking water facilities, desalination plants, food production, co-generation plants, and chemical industries.
- Also suited for cooling towers, field irrigation, and golf courses, providing a flexible filtration solution for various needs.

# OPERATIONAL REQUIREMENTS

## PRODUCT CODE

1006

## CONNECTIONS

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

## OPERATING PRESSURES (BAR / PSI)

Min./Max. working pressure 2,5 - 10 / 36 - 145  
(Any others, ask SF)

## TEMPERATURE (°C/°F)

Max. fluid temperature 52 / 122 (Any others, ask SF)

## WEIGHT (KG / LBS)

Unladen weight 84 / 185

## FILTRATION

Filtering surface (cm<sup>2</sup>/ft<sup>2</sup>) 4950 / 5,33

Filtration degrees (µm) 1000, 500, 300, 200, 125, 100, 74

## BACKWASHING

Backwashing valve G-2" / NPT 2"

No. Valves

Backwash cycle time (s) 20

Backwashing flow rate (m<sup>3</sup>/h / gpm) (\*) 10 / 44

Backwashing water consumption (l / gal) 55 / 15

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

Max. Flow 280 / 1233

High quality 90 / 396

Medium quality 70 / 308

Low quality 50 / 220

## 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 (MM / INCHES)

A 290 / 11,42 E 1350 / 53,15 J

B 500 / 19,69 F L

C 1146 / 45,12 G

D 600 / 23,62 H

## MATERIALS

Filter housing and lids S-235-JR

Coating Cover with powder paint  
Kiln Polymerized epoxy-polyester powder R

Suction scanner PVC

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

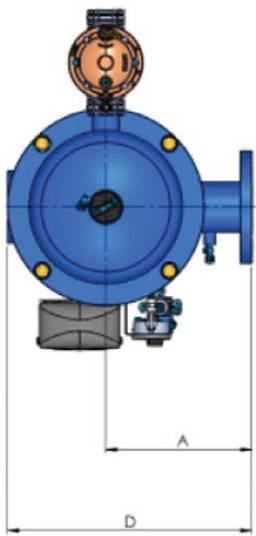
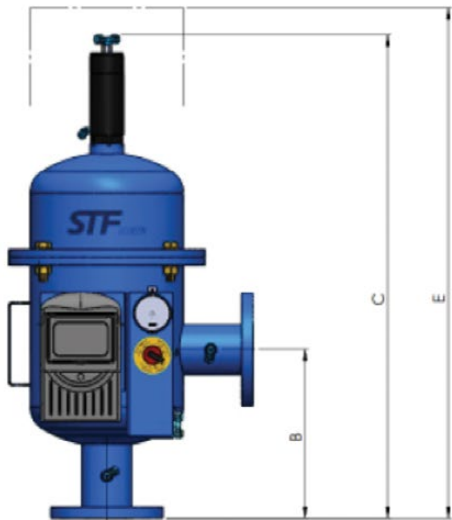
UV (with 55% transmittance)

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

**southland**  
FILTRATION

# PLANS/DRAWINGS



# HEAD LOSS

