

FMA-9000 Series

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

- In line, electric, specially designed for mounting in multiple configuration of high flow water networks. Its operational system allows very low working pressures, which makes it the ideal equipment for the protection of pumping systems in industrial applications.

OPERATIONAL REQUIREMENTS

PRODUCT CODE

9006

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 310 / 141

FILTRATION

Filtering surface (cm²/ft²) 7990 / 8,60

Filtration degrees (µm) 1000, 500, 300, 200, 125, 100, 80, 50, 25, 20, 10

BACKWASHING

Backwashing valve G-2" Thread

No. Valves

Backwash cycle time (s) 22 - 30

Backwashing flow rate (m³/h / gpm) (*) 15 / 66

Backwashing water consumption (l / gal) 105 / 28

FLOW (M³/H / GPM)

Max. Flow 500 / 2201

High quality 215 / 947

Medium quality 173 / 762

Low quality 129 / 568

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 (MM / INCHES)

A 1194 / 47,01 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 -

MATERIALS

Filter housing and lids 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 -

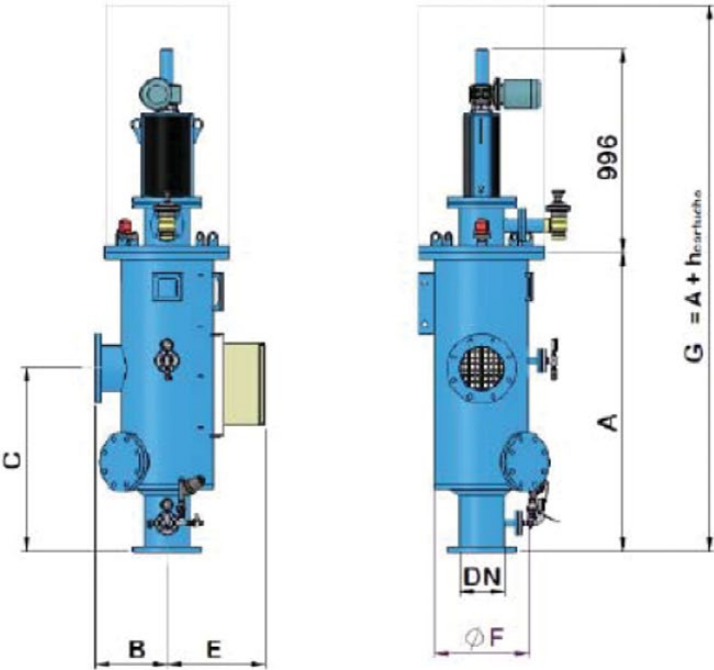
UV (with 55% transmittance) -

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

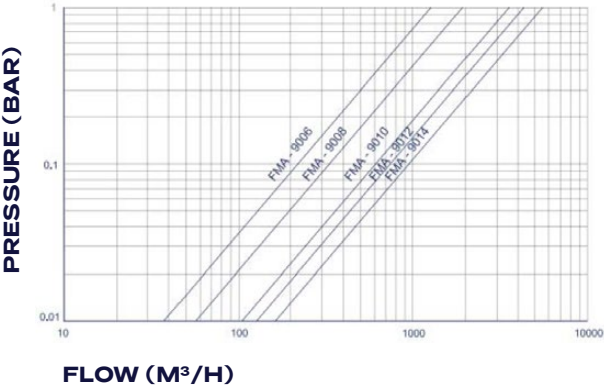
Freecall 1800 656 771
southlandfiltration.com.au

southland
 FILTRATION

PLANS/DRAWINGS



HEAD LOSS



FMA-9000 Series

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 - 9008

FEATURES

- In line, electric, specially designed for mounting in multiple configuration of high flow water networks. Its operational system allows very low working pressures, which makes it the ideal equipment for the protection of pumping systems in industrial applications.

OPERATIONAL REQUIREMENTS

PRODUCT CODE

9008

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 365 / 166

FILTRATION

Filtering surface (cm²/ft²) 10600 / 11,41

Filtration degrees (µm) 1000, 500, 300, 200, 125, 100, 80, 50, 25, 20, 10

BACKWASHING

Backwashing valve G-2" Thread

No. Valves

Backwash cycle time (s) 22 - 30

Backwashing flow rate (m³/h / gpm) (*) 20 / 88

Backwashing water consumption (l / gal) 140 / 37

FLOW (M³/H / GPM)

Max. Flow 700 / 3082

High quality 320 / 1409

Medium quality 256 / 1127

Low quality 192 / 845

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 (MM / INCHES)

A 1469 / 58,83 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 -

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 -

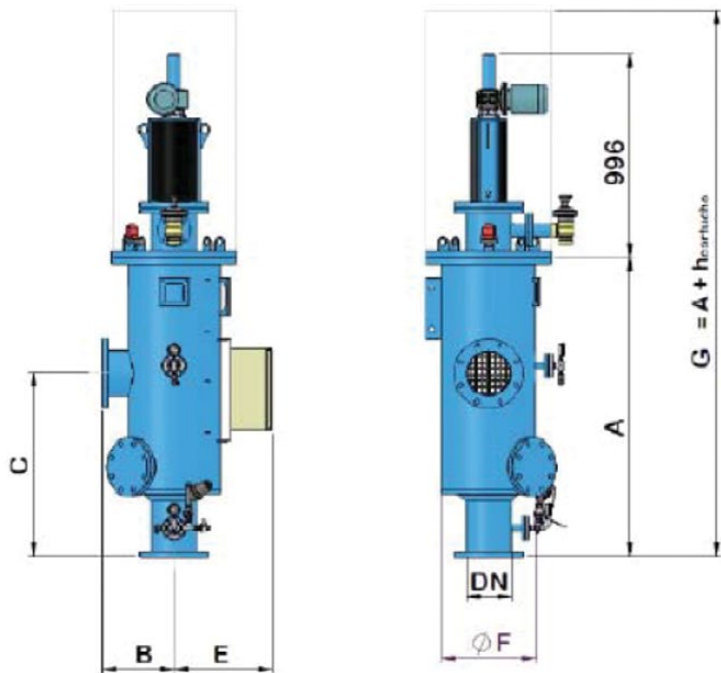
UV (with 55% transmittance) -

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

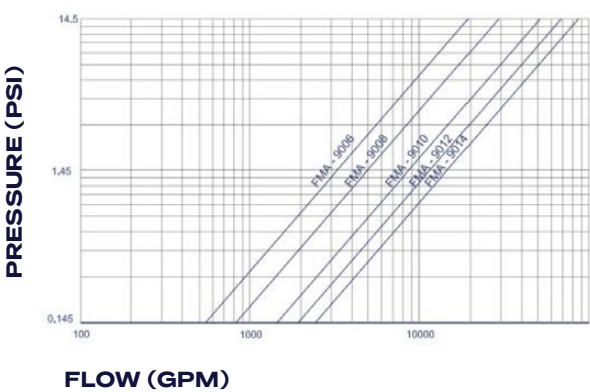
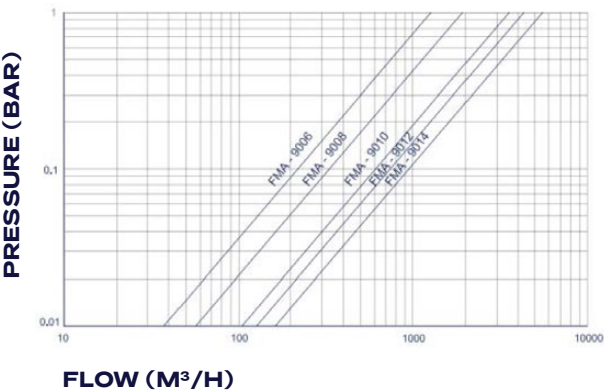
Freecall 1800 656 771
southlandfiltration.com.au

southland
 FILTRATION

PLANS/DRAWINGS



HEAD LOSS



FMA-9000 Series

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 - 9010

FEATURES

- In line, electric, specially designed for mounting in multiple configuration of high flow water networks. Its operational system allows very low working pressures, which makes it the ideal equipment for the protection of pumping systems in industrial applications.

OPERATIONAL REQUIREMENTS

PRODUCT CODE

9010

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 405 / 184

FILTRATION

Filtering surface (cm²/ft²) 13210 / 14,22

Filtration degrees (µm) 1000, 500, 300, 200, 125, 100, 80, 50, 25, 20, 10

BACKWASHING

Backwashing valve G-2" Thread

No. Valves

Backwash cycle time (s) 22 - 30

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

Backwashing water consumption (l / gal) 175 / 46

FLOW (M³/H / GPM)

Max. Flow 1150 / 5063

High quality 580 / 2554

Medium quality 464 / 2043

Low quality 348 / 1532

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 (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 -

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 -

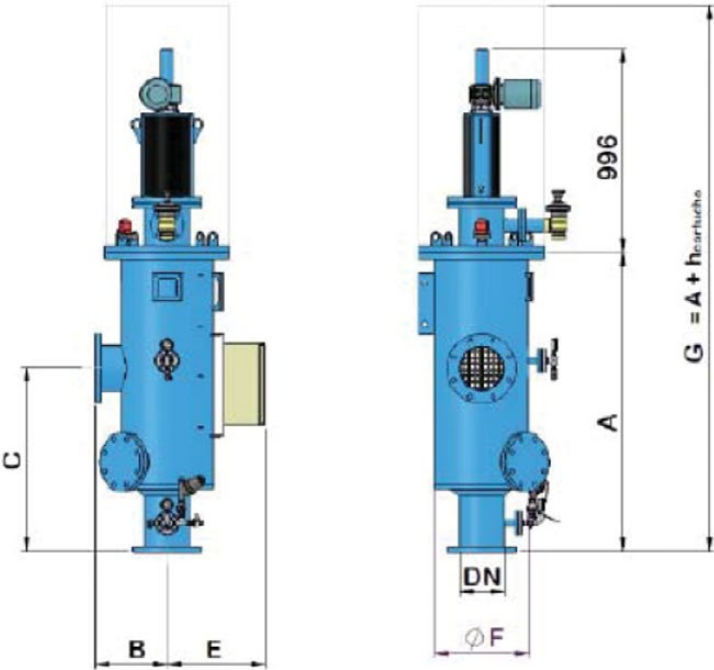
UV (with 55% transmittance) -

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

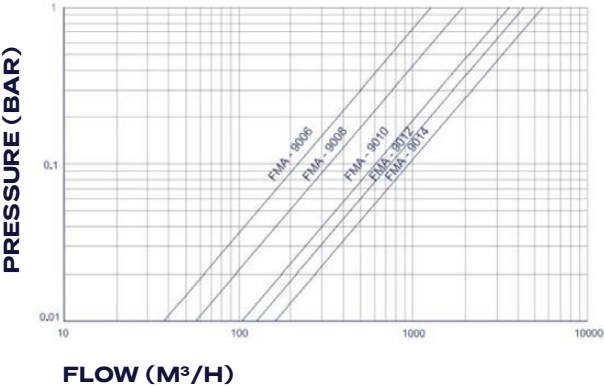
Freecall 1800 656 771
southlandfiltration.com.au

southland
 FILTRATION

PLANS/DRAWINGS



HEAD LOSS



FMA-9000 Series

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 - 9012

FEATURES

- In line, electric, specially designed for mounting in multiple configuration of high flow water networks. Its operational system allows very low working pressures, which makes it the ideal equipment for the protection of pumping systems in industrial applications.

OPERATIONAL REQUIREMENTS

PRODUCT CODE

9012

CONNECTIONS

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

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 550 / 250

FILTRATION

Filtering surface (cm²/ft²) 16500 / 17,76

Filtration degrees (µm) 1000, 500, 300, 200, 125, 100, 80, 50, 25, 20, 10

BACKWASHING

Backwashing valve G-2" Thread

No. Valves

Backwash cycle time (s) 22 - 30

Backwashing flow rate (m³/h / gpm) (*) 20 / 88

Backwashing water consumption (l / gal) 140 / 37

FLOW (M³/H / GPM)

Max. Flow 1400 / 6164

High quality 700 / 3082

Medium quality 560 / 2466

Low quality 420 / 1849

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 (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 -

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 -

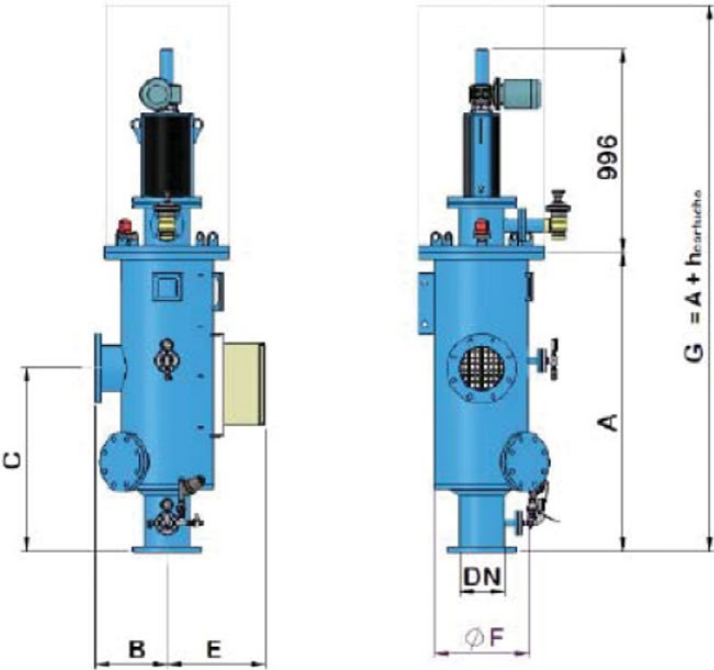
UV (with 55% transmittance) -

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

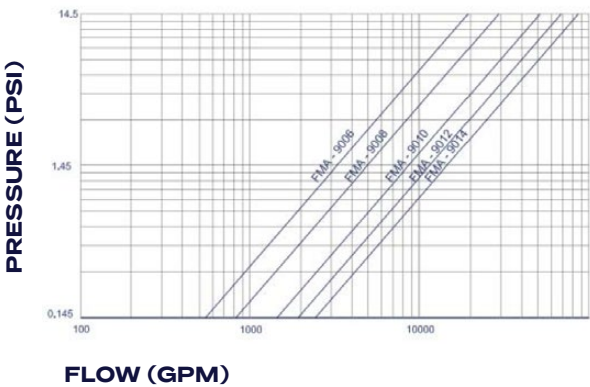
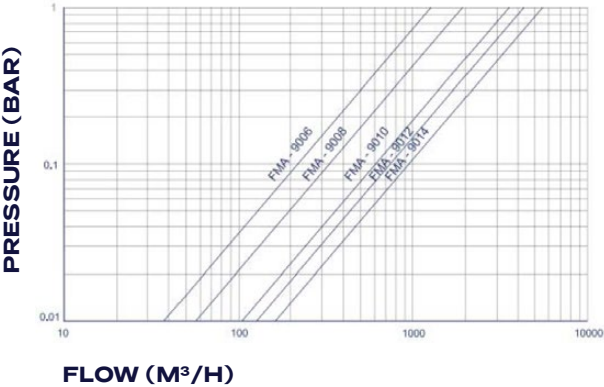
Freecall 1800 656 771
southlandfiltration.com.au

southland
 FILTRATION

PLANS/DRAWINGS



HEAD LOSS



FMA-9000 Series

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 - 9014

FEATURES

- In line, electric, specially designed for mounting in multiple configuration of high flow water networks. Its operational system allows very low working pressures, which makes it the ideal equipment for the protection of pumping systems in industrial applications.

OPERATIONAL REQUIREMENTS

PRODUCT CODE

9014

CONNECTIONS

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

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 610 / 277

FILTRATION

Filtering surface (cm²/ft²) 21300 / 22,93

Filtration degrees (µm) 1000, 500, 300, 200, 125, 100, 80, 50, 25, 20, 10

BACKWASHING

Backwashing valve G-2" Thread

No. Valves

Backwash cycle time (s) 22 - 30

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

Backwashing water consumption (l / gal) 175 / 46

FLOW (M³/H / GPM)

Max. Flow 1800 / 7925

High quality 900 / 3963

Medium quality 720 / 3170

Low quality 540 / 2378

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 (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 -

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 -

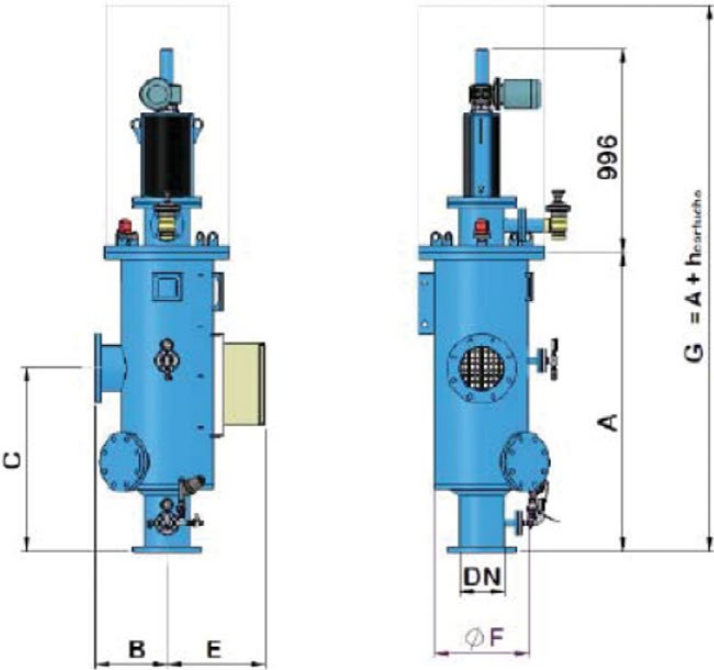
UV (with 55% transmittance) -

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

