

FMA-7000 Series

FMA SELF-CLEANING ELECTRIC SCREEN FILTER

The SKAN FMA-7000-UV series filters with self-cleaning screen are electrically operated filters with disinfection treatment by means of ultraviolet lamps, specially designed for filtration at low levels of filtration and disinfection treatment for low flow rates in municipal and industrial applications. They combine the action of filtration with the disinfection in a single equipment, decreasing the space of the installation and increasing the simplicity of the system.



FMA-7000 SERIES - FMA-7000 UV

FEATURES

- Combines filtration and UV disinfection in one unit, reducing the footprint required for installation and simplifying system design.
- Specifically engineered for applications with low flow rates, delivering effective filtration and disinfection without compromising performance.
- The self-cleaning screen ensures continuous operation and reduces maintenance, keeping the system running smoothly.
- Operates efficiently at very low working pressures, making it the perfect choice for protecting sensitive pumping systems.
- Can be mounted in rows for high-flow water pipes, making it flexible and easy to integrate into larger systems.
- Ultraviolet lamps provide reliable disinfection, ensuring water quality while meeting the needs of industrial and municipal installations.

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OPERATIONAL REQUIREMENTS

PRODUCT CODE

FMA-7000 UV

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 < 40 / 104

WEIGHT (KG / LBS)

Unladen weight 135 / 298

FILTRATION

Filtering surface (cm²/ft²) 2900 / 3,12

Filtration degrees (µm) 50, 20

BACKWASHING

Backwashing valve G-2" Thread

No. Valves

Backwash cycle time (s) 26

Backwashing flow rate (m³/h / gpm) (*) 14 / 61,64

Backwashing water consumption (l / gal) 100 / 26,42

FLOW (M³/H / GPM)

Max. Flow Not as per heading 15 / 3 (20 _m)

High quality Not as per heading 25 / 6 (50 _m)

Medium quality

Low quality

ELECTRICAL

Rated operation voltage 400 V AC 50 HZ three-phase + N

Control voltage 24 V DC

Electric Motor Power (kW/HP) No Data

Electric motor consumption (A) No Data

Power Supply (kW) 24 V DC / 3A

DIMENSIONS (MM / INCHES)

A 865 / 34,06 E - J -

B 1555 / 61,22 F - L -

C 580 / 22,83 G -

D 675 / 26,57 H -

MATERIALS

Filter housing and lids AISI-304

Coating Blasting up with glass spheres

Suction scanner AISI-304

Filtration screen AISI-316

Brush -

Suction nozzles PVC

Backwashing valves PP

Bolts & nuts A2

Seals NBR - EPDM - Viton

UV DATA

Ultraviolet lamp Low pressure amalgam lamps

No. lamps 4 units

UV-C lamp power 130 / 0,17

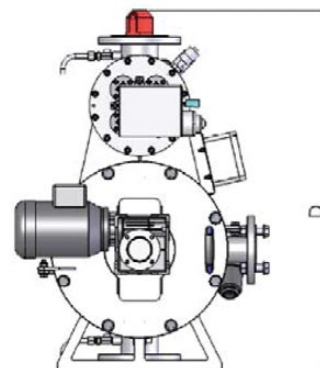
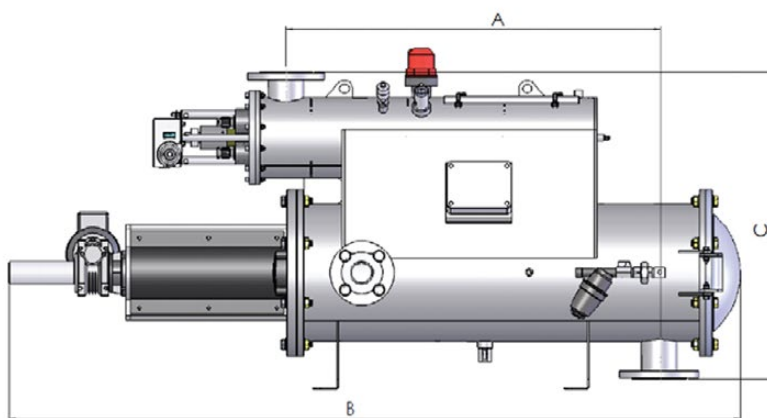
UV (with 55% transmittance) > 400 J/m_

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

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PLANS/DRAWINGS



FMA-7000 Series

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FMA-7000 SERIES - FMA-7000 UV L

FEATURES

- In line, electric, specially designed for mounting in rows of high flow water pipes. Its operation 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

FMA-7000 UV L

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 < 40 / 104

WEIGHT (KG / LBS)

Unladen weight 168 / 370

FILTRATION

Filtering surface (cm²/ft²) 5380 / 5,79

Filtration degrees (µm) 50, 20

BACKWASHING

Backwashing valve G-2" Thread

No. Valves

Backwash cycle time (s) 26

Backwashing flow rate (m³/h / gpm) (*) 14 / 61,64

Backwashing water consumption (l / gal) 100 / 26,42

FLOW (M³/H / GPM)

Max. Flow Not as per heading 25 / 6 (20 _m)

High quality Not as per heading 25 / 6 (50 _m)

Medium quality

Low quality

ELECTRICAL

Rated operation voltage 400 V AC 50 HZ three-phase + N

Control voltage 24 V DC

Electric Motor Power (kW/HP) No Data

Electric motor consumption (A) No Data

Power Supply (kW) 24 V DC / 3A

DIMENSIONS (MM / INCHES)

A 965 / 37,99 E - J -

B 1900 / 74,80 F - L -

C 795 / 31,30 G -

D 860 / 33,86 H -

MATERIALS

Filter housing and lids AISI-304

Coating Blasting up with glass spheres

Suction scanner AISI-304

Filtration screen AISI-316

Brush -

Suction nozzles PVC

Backwashing valves PP

Bolts & nuts A2

Seals NBR - EPDM - Viton

UV DATA

Ultraviolet lamp Low pressure amalgam lamps

No. lamps 4 units

UV-C lamp power 130 / 0,17

UV (with 55% transmittance) > 400 J/m_

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