



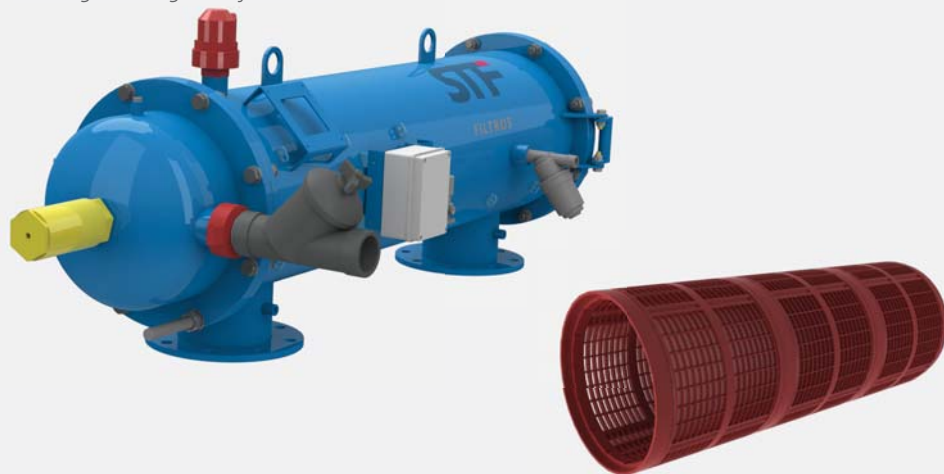
## FMA 4000. Self-cleaning hydraulic screen filter



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STF 4000 Series Automatic hydraulic screen filters are designed to optimize filtration solutions in non-electric installations. It incorporates a new cartridge that allows to optimize the surface of filtration allowing to treat greater flow rates.



### Minimum pressure

The FMA-4000 requires a minimum operating pressure of 2,5 bar, to clean the filter cartridge in an effective way.

### Flow rates

Wide range of flows, being able to install modules in parallel to satisfy all the needs.

### Water consumption

Water supply is not interrupted during the cleaning cycle. The volume of water used during backwash is less than 1% of the total filtration.

The nozzles with nylon bristles patented by STF-Filtros make it possible to achieve optimization of the water used for cleaning.

### Self cleaning

The cleaning cycle can be started for several reasons:

- Differential pressure higher than 0,3 bar\* between the filter inlet and outlet.
- Time interval of 12 hours\* since the last cleaning cycle.
- Manual cleaning.

(\* Settings can be configured)

### NEW FILTER CARTRIDGE

New INJECTED INOX. filter cartridge that improves the filter surface ratio.

### Filtration rates

Filtration rates range from 74 micron to 1000 micron to suit your needs.

#### General Data

|                              | 4003   | 4004        | 4006        | 4008        | 4010         |
|------------------------------|--|-------------|-------------|-------------|--------------|
| Inlet / Outlet diameter      | DN-80 (3")                                   | DN-100 (4") | DN-150 (6") | DN-200 (8") | DN-250 (10") |
| Max. / min. working pressure | 2,5 bar / 10 bar (If others ask Stf-Filtros) |             |             |             |              |
| Fluid maximum temperature    | 50 °C  |             |             |             |              |

#### Stainless Steel Screen Data

|  | 4003  | 4004 | 4005 | 4008 | 4010  |
|--|---|------|------|------|-------|
| Recommended working flow (m <sup>3</sup> /h) | 70  | 90   | 160  | 250  | 320   |
| Gross filtering surface (cm <sup>2</sup> )   | 2475  | 4950 | 7425 | 9900 | 12375 |
| Unladen weight (Kg.)                         | 100   | 115  | 130  | 145  | 165   |
| Filtration degrees                           | 1500, 1000, 500, 300, 200, 125, 100, 74 microns |      |      |      |       |

#### Backwashing Data

|   | 4003          | 4004 | 4006 | 4008 | 4010 |
|---|---------------|------|------|------|------|
| Backwashing valve                         | G - 2" thread |      |      |      |      |
| Backwash cycle time                       | 30 seconds    |      |      |      |      |
| Backwashing flow rate (m <sup>3</sup> /h) | 5             | 10   | 15   | 20   | 25   |
| Backwashing water consumption (litres)    | 40            | 80   | 125  | 165  | 210  |

#### Electrical data

|                           |   |
|---------------------------|---|
| Tensión de funcionamiento | 4 batteries 1.5 V LR 14-C / (Optional 220 V AC 50 Hz) |
| Tensión de control        | 6 V DC / (24 V DC if option 220 V AC)                 |

#### Materials

|                         | Standard Models  | Special models                      |
|-------------------------|--|-------------------------------------|
| Filter housing and lids | S-235-JR carbon steel                                    | AISI 304 stainless steel / AISI 316 |
| Finish treatment        | Kiln Polymerized epoxy-polyester powder coating          | "Ask for material's options"        |
| Suction scanner         | AISI-304 stainless steel                                 | "Ask for material's options"        |
| Filtration screen       | AISI-316 stainless steel                                 | "Ask for material's options"        |
| Suction nozzles         | PVC with AISI-316 stainless steel ring and nylon brushes | -                                   |
| Backwashing valves      | Polypropylene  | "Ask for material's options"        |
| Joints and bolts        | 5,6 Bichromated  | A2. A4 stainless steel              |
| Joints                  | NBR - EPDM - Viton                                       | Ask STF-Filtros                     |

→ Ask STF-Filtros for other options