

## F OIL FILTERS FOR THE FILTRATION OF OIL MISTS AND DUST



### DESCRIPTION

The **F OIL** series Filter Units are compact, high-efficiency units specifically designed for the elimination of oil vapors and condensation. The aspirated oil vapors are conveyed into a gravitational pre-settling system which, through the effect of velocity change, allows for an initial stage of filtration. Only after the airflow has shed its heaviest components does it pass through multi-stage metallic coalescence pre-filters; it then proceeds through a third stage consisting of a series of high-efficiency soft pocket filters, specifically designed and continuously tested for oil vapor filtration, and finally through a fourth and final stage of F9-rated rigid pocket filters. The oily pollutants are collected in a hopper and then evacuated through a discharge outlet positioned at the top of the filter.

### TECHNICAL DATA F OIL 1

Gravitational settling chamber

N°03 G2-rated metallic pre-filters

N°01 F9-rated soft pocket filter

N°01 F9-rated rigid pocket filter

Containment shell

Digital filter clogging indicators for the last two filtration stages

Press-bent sheet metal hopper, RAL 7016 painted, 30/10 thickness

Perimeter panels in galvanized press-bent sheet metal, 25/10 thickness

Front maintenance openings

Electric fan with 2.2/3/4 kW motor, built-in at the top of the filter

Max nominal airflow: 4,000 m<sup>3</sup>/h

### TECHNICAL DATA F OIL 2

Gravitational settling chamber

N°06 G2-rated metallic pre-filters

N°02 F9-rated soft pocket filters

N°02 F9-rated rigid pocket filters

Containment shell

Digital filter clogging indicators for the last two filtration stages

Press-bent sheet metal hopper, RAL 7016 painted, 30/10 thickness

Perimeter panels in galvanized press-bent sheet metal, 25/10 thickness

Front maintenance openings

Electric fan with 4/5.5/7.5 kW motor, built-in at the top of the filter

Max nominal airflow: 8,000 m<sup>3</sup>/h

### TECHNICAL DATA F OIL 4

Gravitational settling chamber

N°12 G2-rated metallic pre-filters

N°04 F9-rated soft pocket filters

N°04 F9-rated rigid pocket filters

Containment shell

Digital filter clogging indicators for the last two filtration stages

Press-bent sheet metal hopper, RAL 7016 painted, 30/10 thickness

Perimeter panels in galvanized press-bent sheet metal, 25/10 thickness

Front maintenance openings

Electric fan with 7.5/11/15 kW motor, built-in at the top of the filter (sound-absorbing lining upon request)

Max nominal airflow: 12,000 m<sup>3</sup>/h

### TECHNICAL DATA F OIL 6

Gravitational settling chamber

N°18 G2-rated metallic pre-filters

N°06 F9-rated soft pocket filters

N°06 F9-rated rigid pocket filters

Containment shell

Digital filter clogging indicators for the last two filtration stages

Press-bent sheet metal hopper, RAL 7016 painted, 30/10 thickness

Perimeter panels in galvanized press-bent sheet metal, 25/10 thickness

Front maintenance openings

Electric fan with 15/18.5/22 kW motor, built-in at the top of the filter, enclosed in a sound-proofed compartment

Max nominal airflow: 16,000 m<sup>3</sup>/h



PLUG & PLAY



COMPACT

4.0

INDUSTRY 4.0  
READY



EASY  
MAINTENANCE

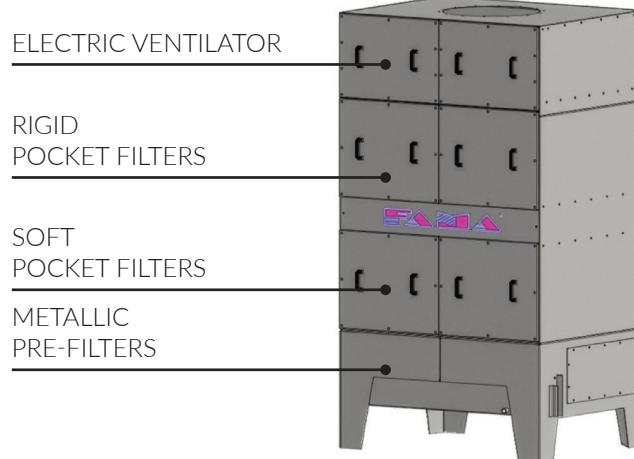
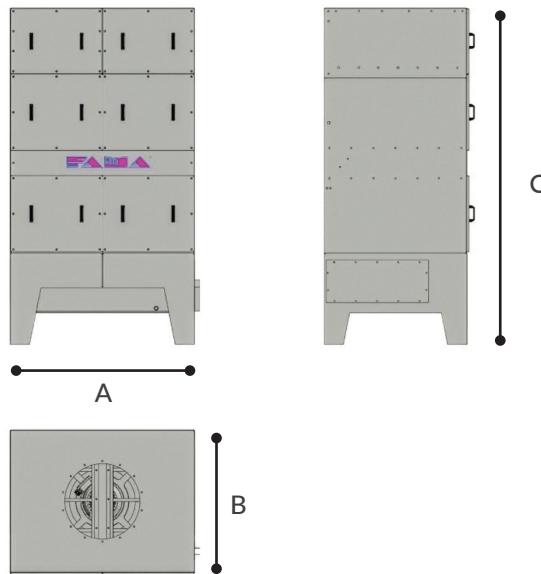


CONFIGURABLE

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## F OIL FILTERS FOR THE FILTRATION OF OIL MISTS AND DUST



MODEL	F OIL1	F OIL2	F OIL4	F OIL6
A - LENGTH [mm]	800	1500	1500	2250
B - WIDTH [mm]	800	750	1200	1400
C - HEIGHT [mm]	2500	2500	2700	3100
N° FILTERING ELEMENTS	1	2	4	6
FILTERING SURFACE [m <sup>2</sup> ]	23.5	48	94	145
Max nominal AIRFLOW [m <sup>3</sup> /h]	4000	8000	12000	16000
POWER [kW]	2.2/3/4	4/5.5/7.5	7.5/11/15	15/18.5/22
WEIGHT [kg]	300	550	700	1450

### SUPPLY

- F OIL series filters
- Electric fan
- Oil collection hopper
- Removable motor
- Soundproofed motor compartment (only on F OIL 6)
- Standard color RAL 7016

### ACCESSORIES / OPTIONALS

- Industry 4.0 electric control panel
- Heat recovery unit
- Custom color
- F7 and F9-rated rigid drawer-type pocket filters
- H13-rated absolute filter (HEPA)
- Soundproofed motor compartment

### TECHNICAL FEATURES

- Compact design
- High efficiency
- Up to 5 filtration stages
- Ensures compliance with the strictest regulatory limits
- Recovers condensed oil for reuse