

T OIL FILTERS FOR THE FILTRATION OF OIL MISTS AND DUST



DESCRIPTION

The **TOIL** series Filtering Units are compact, high-efficiency units specially designed for the elimination of oil mists and condensates.

The system consists of two types of pre-filtration: A gravitational stage, achieved by changing the air velocity inside the calming chamber with flow deflectors. A second stage consisting of metal mesh filters, which allow the concentration of oil mists. This is followed by a filtration stage with high-efficiency floppy pocket filters made of glass fiber, specifically designed and continuously tested for filtering oil mists. The system concludes with a fourth and final stage of rigid pocket filters in the F9 category.

TECHNICAL DATA T4

| | | |
|---|---|---|
| Calming Chamber Pre-chamber with velocity < 2m/s – Inclination >15° | Calming Chamber Pre-chamber with velocity < 2m/s – Inclination >15° | Calming Chamber Pre-chamber with velocity < 2m/s – Inclination >15° |
| N°12 G2 category metallic Pre-filters | N°18 G2 category metallic Pre-filters | N°24 G2 category metallic Pre-filters |
| N°04 F9 category floppy pocket filters | N°06 F9 category floppy pocket filters | N°08 F9 category floppy pocket filters |
| N°04 F9 category rigid pocket filter | N°06 F9 category rigid pocket filter | N°08 F9 category rigid pocket filter |
| Containment Layer | Containment Layer | Containment Layer |
| N°02 Digital Clogging Indicators for filters | N°02 Digital Clogging Indicators for filters | N°02 Digital Clogging Indicators for filters |
| Hopper made of press-bent and painted sheet metal, RAL 7016, 30/10 mm thickness | Hopper made of press-bent and painted sheet metal, RAL 7016, 30/10 mm thickness | Hopper made of press-bent and painted sheet metal, RAL 7016, 30/10 mm thickness |
| Perimeter panelling made of press-bent galvanized sheet metal, 25/10 mm thickness | Perimeter panelling made of press-bent galvanized sheet metal, 25/10 mm thickness | Perimeter panelling made of press-bent galvanized sheet metal, 25/10 mm thickness |
| Front openings for maintenance | Front openings for maintenance | Front openings for maintenance |
| N°02 Inlet sleeves and N°02 Outlet sleeves | N°03 Inlet sleeves and N°02 Outlet sleeves | N°05 Inlet sleeves and N°03 Outlet sleeves |
| Nominal filter flow rate: 16.000 m ³ /h | Nominal filter flow rate: 24.000 m ³ /h | Nominal filter flow rate: 32.000 m ³ /h |
| Filtration efficiency 3 mg/m ³ | Filtration efficiency 3 mg/m ³ | Filtration efficiency 3 mg/m ³ |
| Filtering surface area: 107 m ² | Filtering surface area: 160 m ² | Filtering surface area: 215 m ² |

TECHNICAL DATA T6

| | | |
|---|---|---|
| Calming Chamber Pre-chamber with velocity < 2m/s – Inclination >15° | Calming Chamber Pre-chamber with velocity < 2m/s – Inclination >15° | Calming Chamber Pre-chamber with velocity < 2m/s – Inclination >15° |
| N°18 G2 category metallic Pre-filters | N°06 F9 category floppy pocket filters | N°08 F9 category rigid pocket filter |
| N°06 F9 category floppy pocket filters | N°06 F9 category rigid pocket filter | N°08 F9 category rigid pocket filter |
| N°06 F9 category rigid pocket filter | N°06 F9 category rigid pocket filter | N°08 F9 category rigid pocket filter |
| Containment Layer | Containment Layer | Containment Layer |
| N°02 Digital Clogging Indicators for filters | N°02 Digital Clogging Indicators for filters | N°02 Digital Clogging Indicators for filters |
| Hopper made of press-bent and painted sheet metal, RAL 7016, 30/10 mm thickness | Hopper made of press-bent and painted sheet metal, RAL 7016, 30/10 mm thickness | Hopper made of press-bent and painted sheet metal, RAL 7016, 30/10 mm thickness |
| Perimeter panelling made of press-bent galvanized sheet metal, 25/10 mm thickness | Perimeter panelling made of press-bent galvanized sheet metal, 25/10 mm thickness | Perimeter panelling made of press-bent galvanized sheet metal, 25/10 mm thickness |
| Front openings for maintenance | Front openings for maintenance | Front openings for maintenance |
| N°03 Inlet sleeves and N°02 Outlet sleeves | N°05 Inlet sleeves and N°03 Outlet sleeves | N°05 Inlet sleeves and N°03 Outlet sleeves |
| Nominal filter flow rate: 24.000 m ³ /h | Nominal filter flow rate: 32.000 m ³ /h | Nominal filter flow rate: 32.000 m ³ /h |
| Filtration efficiency 3 mg/m ³ | Filtration efficiency 3 mg/m ³ | Filtration efficiency 3 mg/m ³ |
| Filtering surface area: 160 m ² | Filtering surface area: 215 m ² | Filtering surface area: 215 m ² |

TECHNICAL DATA T8

| | | |
|---|---|---|
| Calming Chamber Pre-chamber with velocity < 2m/s – Inclination >15° | N°24 G2 category metallic Pre-filters | N°08 F9 category floppy pocket filters |
| N°08 F9 category floppy pocket filters | N°08 F9 category rigid pocket filter | N°08 F9 category rigid pocket filter |
| N°08 F9 category rigid pocket filter | N°08 F9 category rigid pocket filter | N°08 F9 category rigid pocket filter |
| Containment Layer | Containment Layer | Containment Layer |
| N°02 Digital Clogging Indicators for filters | N°02 Digital Clogging Indicators for filters | N°02 Digital Clogging Indicators for filters |
| Hopper made of press-bent and painted sheet metal, RAL 7016, 30/10 mm thickness | Hopper made of press-bent and painted sheet metal, RAL 7016, 30/10 mm thickness | Hopper made of press-bent and painted sheet metal, RAL 7016, 30/10 mm thickness |
| Perimeter panelling made of press-bent galvanized sheet metal, 25/10 mm thickness | Perimeter panelling made of press-bent galvanized sheet metal, 25/10 mm thickness | Perimeter panelling made of press-bent galvanized sheet metal, 25/10 mm thickness |
| Front openings for maintenance | Front openings for maintenance | Front openings for maintenance |
| N°05 Inlet sleeves and N°03 Outlet sleeves | N°05 Inlet sleeves and N°03 Outlet sleeves | N°05 Inlet sleeves and N°03 Outlet sleeves |
| Nominal filter flow rate: 32.000 m ³ /h | Nominal filter flow rate: 32.000 m ³ /h | Nominal filter flow rate: 32.000 m ³ /h |
| Filtration efficiency 3 mg/m ³ | Filtration efficiency 3 mg/m ³ | Filtration efficiency 3 mg/m ³ |
| Filtering surface area: 215 m ² | Filtering surface area: 215 m ² | Filtering surface area: 215 m ² |



PLUG & PLAY



COMPACT

4.0

INDUSTRY 4.0
READY



EASY
MAINTENANCE

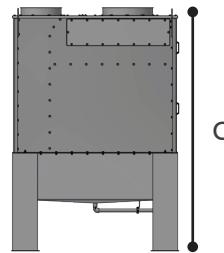
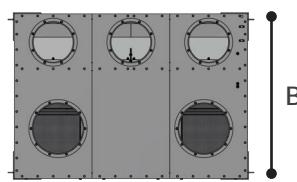
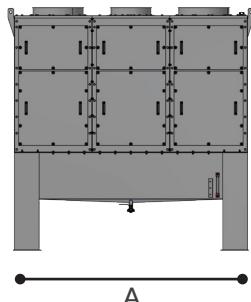


CONFIGURABLE

FAMA RESERVES THE RIGHT TO MAKE CHANGES TO THE PRODUCT WITHOUT NOTICE

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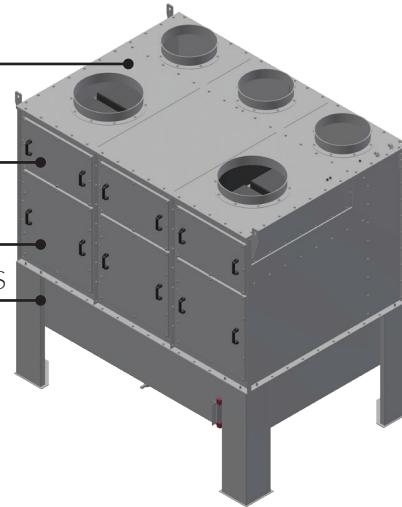


FILTER BODY

RIGID
POCKET FILTERS

FLOPPY
POCKET FILTERS

METALLIC PRE-FILTERS



MODEL

T4 OIL

T6 OIL

T8 OIL

| | | | |
|-------------------------------------|---------|-------|---------|
| A - LENGTH [mm] | 1700 | 2500 | 3200 |
| B - WIDTH [mm] | 1650 | 1650 | 1650 |
| C - HEIGHT [mm] | 2400 | 2400 | 2400 |
| Nº FILTER SECTIONS | 4 | 6 | 8 |
| FILTERING SURFACE [m ²] | 107 | 160 | 215 |
| FLOW RATE [m ³ /h] | 16000 | 24000 | 32000 |
| POWER [kW] | 11/18,5 | 15/22 | 18,5/30 |
| WEIGHT [kg] | 800 | 1000 | 1400 |

SUPPLY

- Calming Chamber Pre-chamber
- T OIL series Filters
- Galvanized sheet metal Hopper
- Galvanized perimeter panelling
- Differential pressure switches
- Electric fan/blower external to the filter

ACCESSORIES/OPTIONALS

- Electrical panel with "Industry 4.0" compliance capability
- Custom color
- Automatic oil drain
- F7 and F9 category rigid drawer pocket filters
- H13 category absolute filter, certified according to ISO EN 16890 and EN 1822 standards

TECHNICAL CHARACTERISTICS

- Compact
- High efficiency
- 4 filtration stages

- Helps meet the limits imposed by the strictest regulations
- Recovers condensed oil that can be reused