



EUROFILTER

UNITÀ FILTRANTE PER POLVERI E TRUCIOLI

FILTER UNIT FOR DUSTS AND SHAVINGS

EUROFILTER M/V 160 painted version



*EUROFILTER P/V 200 painted version
with automatic extinction system with
extinguisher (OPTIONAL)*

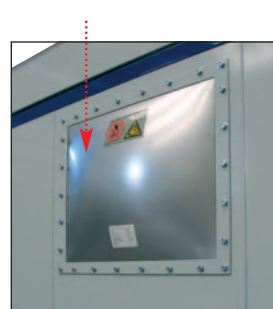


① Maintenance door for fire control system with extinguisher

Inspection portlet (STANDARD)

Sound-proof box (OPTIONAL)

Explosion-relief panel (OPTIONAL)



EUROFILTER DUST SEPARATORS ARE DESIGNED FOR USE IN INDUSTRIAL ENVIRONMENTS. THEY ARE ROBUST, SOLID FOR LONG-LASTING DURABILITY, CAREFULLY DESIGNED FOR RELIABILITY AND EASY TO USE.

EUROFILTER dust separators are suitable for extracting dusts of different kinds and dry shavings from single or multiple dust sources.

The EUROFILTER consists of a galvanised steel (Z) panel structure (painted on request "V") with sleeve filters made of needle felt C type (500 gr/m² with antistatic surface treatment on request), automatic filters cleaning by motorised vibrator (M) or pneumatic (P) (compressed air), dusts download in the wheeled metal bins of easy maintenance.

The very robust structure of the filter ensures easy handling despite its size, thanks to the presence of large sized wheels, two of which are pivoting.

The unit is conceived in order to work in depression in order to guarantee the maximum efficiency of filtration and safety possible against fire and explosion.

On request, various accessories certified to ATEX rules are available: electric motor, explosion relief panel, extinguisher, switchboard, etc...

The backward curved impeller high efficiency centrifugal fan is positioned inside the unit and therefore soundproofed to obtain a low noise level.

Inspection portlet (OPTIONAL)



2

EUROFILTER M/Z 200 galvanised version



2

EUROFILTER

OPERATING PRINCIPLE

- 1 POLLUTED AIR INLET
- 2 AIR FLOW DEFLECTORS
- 3 COLLECTION BINS FOR DUSTS
- 4 FILTER SLEEVES
- 5 SUCTION DUCT (AIR BOX)
- 6 FAN

- 7 FILTERED AIR OUTLET

- 8 MOTORISED VIBRATOR

- 9 EXPLOSION-RELIEF PANEL **OPTIONAL**

- 10 **STANDARD**
CONTROL BOARD

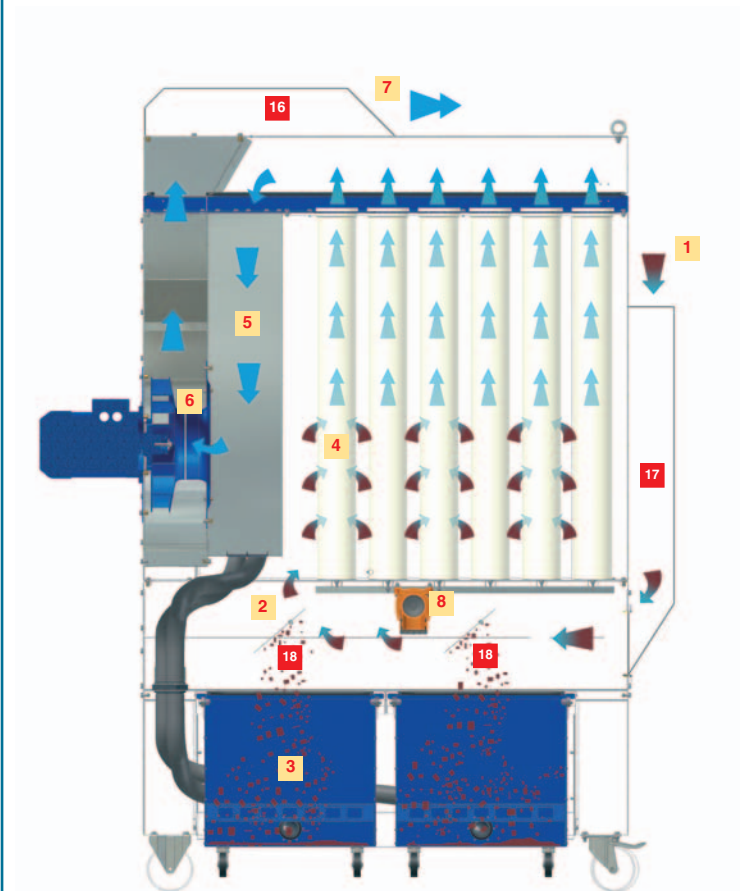
- 11 COMPRESSED AIR TANK

- 12 DISTRIBUTION PIPE WITH NOZZLES

- 13 COMPRESSED AIR TANK MANOMETER

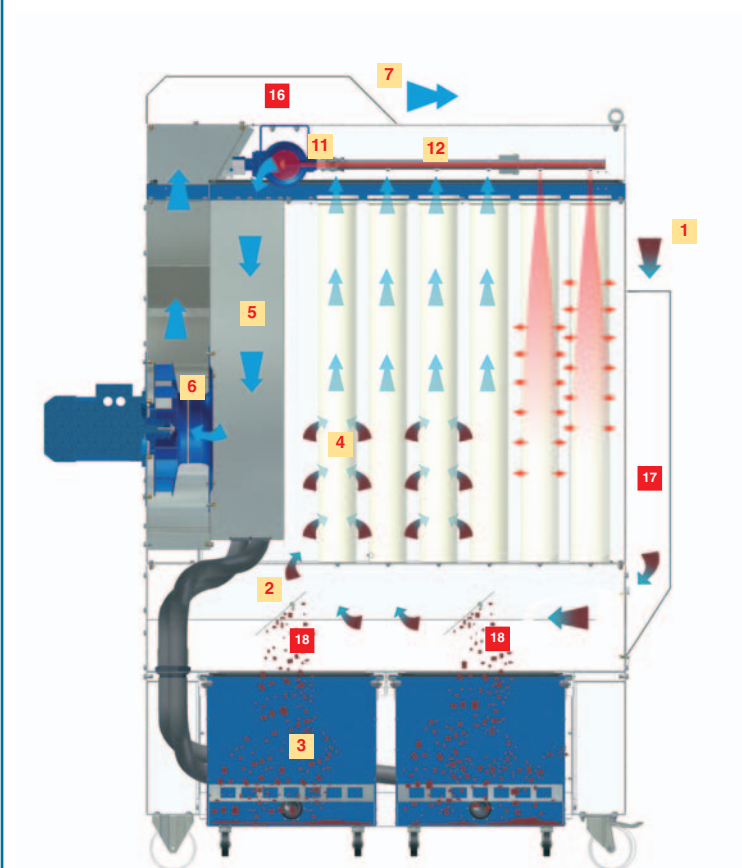
EUROFILTER / M

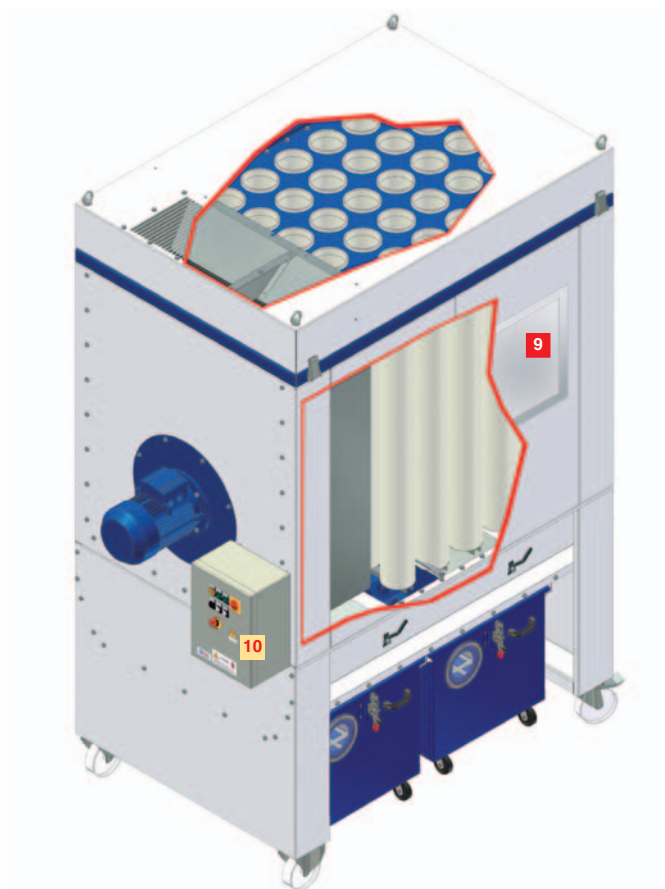
WITH MECHANICAL FILTER CLEANING (MOTORISED VIBRATOR)



EUROFILTER / P

CON PULIZIA FILTRI PNEUMATICA (ARIA COMPRESSA)
AVEC DÉCOLMATAGE PNEUMATIQUE (AIR COMPRIMÉ)
WITH PNEUMATIC FILTER CLEANING (COMPRESSED AIR)
MIT PNEUMATISCHER FILTERREINIGUNG (DRUCKLUFT)
CON LIMPIEZA FILTROS PNEUMATICA (AIRE COMPRIMIDO)





14 CONDENSATE DISCHARGE

15 COMPRESSED AIR CONNECTION

16 SOUND-PROOF BOX **OPTIONAL**

17 DECANTING CHAMBER **OPTIONAL**

18 SONAR LEVEL CONTROL IP65 OR IP67 ATEX **OPTIONAL**

19 NO-RETURN DAMPER (NOTE: IN THE EUROFILTER EQUIPPED WITH OPTIONAL DECANTING CHAMBER THE DAMPER IF REQUIRED MUST BE INSTALLED IN THE SYSTEM PIPELINE)



Polluted air inlet



Pollutant



Clean air outlet



Reverse pulse compressed air

EUROFILTER / EUROFILTER VS

OPTIONAL

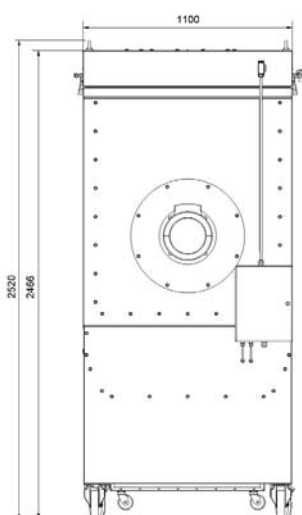
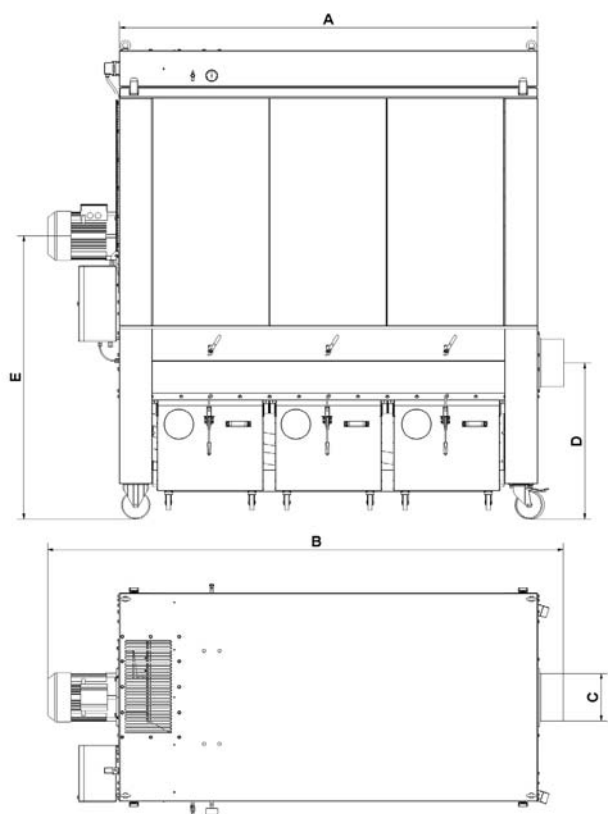


- CONTROL PLC



- AUTO START/STOP CONTROL BOARD





Dimensions (mm)

dB(A)*

with additional soundproofing (OPTIONAL)

MODEL	A	B	C	D	E
160	1162	1630	160	810	1460
200	1580	2070	200	810	1460
250	2200	2730	250	820	1490
300	2200	2730	300	830	1525

MODEL	160	200	250	300
MAX DELIVERY	1800 m ³ /h	3000 m ³ /h	4500 m ³ /h	6000 m ³ /h
FAN - VENTILATOR	PRA 250	PRA 280	PRVM 500	PRVM 560
POWER	3 kW	4 kW	5,5 kW	7,5 kW
FILTERING AREA	10,8 m ²	16,3 m ²	24,4 m ²	27 m ²
ABSORBED POWER	4,5 A	5,8 A	9 A	12,7 A
PRESSURE	2400 Pa	2600 Pa	2800 Pa	3400 Pa
AVERAGE SOUND LEVEL	71 dB(A)*	71 dB(A)*	73 dB(A)*	75 dB(A)*
FILTERING SLEEVES NUMBER	24	36	54	60
FILTERING MEDIA	Nadelfilz Polyester C 500 gr/m			
CLASSIFICATION BIA	BIA US standard, BIA USG-USG,C and antistatic coated on request			
Ø INTAKE OPENING	160 mm	200 mm	250 mm	300 mm
WHEELED COLLECTION BINS NUMBER	1 x 200 l.	2 x 200 l.	3 x 200 l.	3 x 200 l.

FIRE EXTINGUISHER SYSTEMS

ON REQUEST, THE DUST SEPARATOR
EUROFILTER/ EUROFILTER VS,
CAN BE EQUIPPED OF FIRE
EXTINGUISHER SYSTEM:
USING WATER
(VERSION A) OR WITH FIRE
EXTINGUISHER (B VERSION).

A

(1)



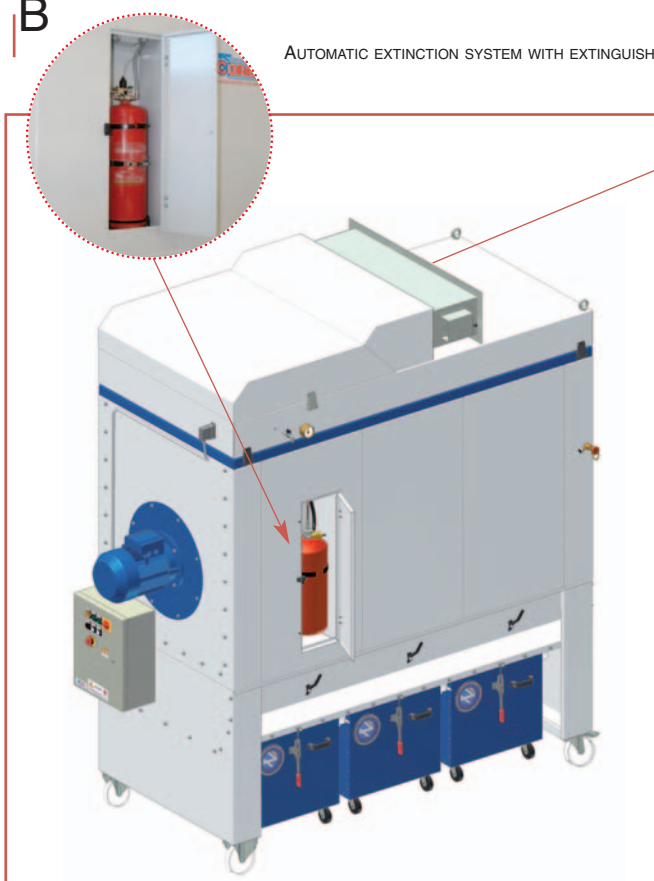
Fire extinguishing water distribution pipeline, automatic with temperature probe (2) or manual (1) operation complete with brass quick joint for water supply and sprinklers.

(2)

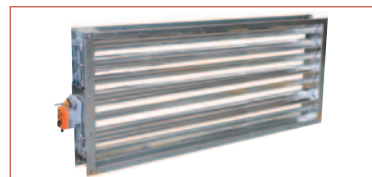


B

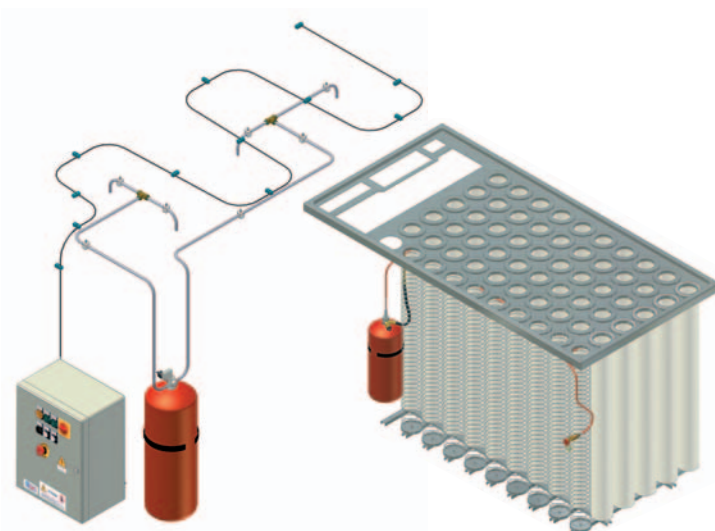
AUTOMATIC EXTINCTION SYSTEM WITH EXTINGUISHER



OPTIONAL fire cutting damper



OPTIONAL Air flow cut electric damper





EUROFILTER VS

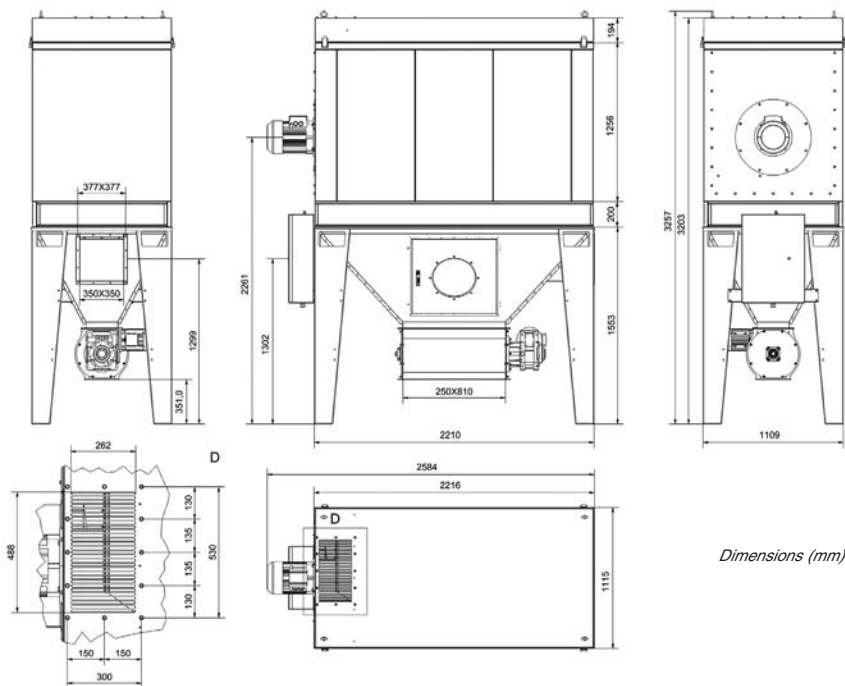
The Eurofilter VS model is equipped with hopper and rotary valve to facilitate the dusts disposal in a bigger trailer bin or for pneumatic transport to a storage silo. The oversized rotary valve guarantees a smooth working of the unit even in heavy conditions. Further more the valve can be supplied on request as optional in the VST configuration that will not deliver any pressure at the outlet of it.

▲ *FILTER VSP/V 300 painted version with automatic fire extinguishing system (OPTIONAL)*



STANDARD
VS Rotary Valve

		OPTIONAL
	ROTARY VALVE	TIGHT ROTARY VALVE
MODEL	VS	VST
ROTARY VALVE	250 x 810 mm	250 x 810 mm
GEOMETRIC CAPACITY	16 m ³ /h	16 m ³ /h
REAL CAPACITY	10 m ³ /h	10 m ³ /h
FILL UP COEFFICIENT	0,6	0,6



Dimensions (mm)

dB(A)*

with additional soundproofing (OPTIONAL)

MODEL	VIBRATION CLEANING SYSTEM (M)		PNEUMATIC CLEANING SYSTEM (P)	
	250 VS	300 VS	250 VS	300 VS
MAX DELIVERY	4500 m ³ /h	6000 m ³ /h	4500 m ³ /h	6000 m ³ /h
FAN - VENTILATOR	PRVM 500	PRVM 560	PRVM 500	PRVM 560
POWER	5,5 kW	7,5 kW	5,5 kW	7,5 kW
FILTERING AREA	24,4 m ²	27 m ²	24,4 m ²	27 m ²
ABSORBED POWER	9 A	12,7 A	9 A	12,7 A
TOTAL PRESSURE	2800 Pa	3400 Pa	2800 Pa	3400 Pa
AVERAGE SOUND LEVEL	73 dB(A)*	75 dB(A)*	73 dB(A)*	75 dB(A)*
FILTERING SLEEVES NUMBER	54	60	54	60
FILTERING MEDIA	Needle polyester felt C 500 gr/m			
CLASSIFICATION BIA - BIA RATING	BIA US standard, BIA USG-USG,C and antistatic coated on request			
☐ INTAKE OPENING	350 x 350 mm			
FILTER DIMENSIONS	2584x1115x3257 (mm)	2584x1115x3257 (mm)	2584x1115x3257 (mm)	2584x1115x3257 (mm)

EUROFILTER VS OPERATING PRINCIPLE

- 1** POLLUTED AIR INLET
- 2** HOPPER
- 3** ROTARY STAR VALVE
- 4** FILTER SLEEVES
- 5** SUCTION DUCT (AIR BOX)
- 6** FAN

- 7** FILTERED AIR OUTLET
- 8** MOTORISED VIBRATOR

- 9** EXPLOSION-RELIEF PANEL **OPTIONAL**

- 10** **STANDARD**
CONTROL BOARD

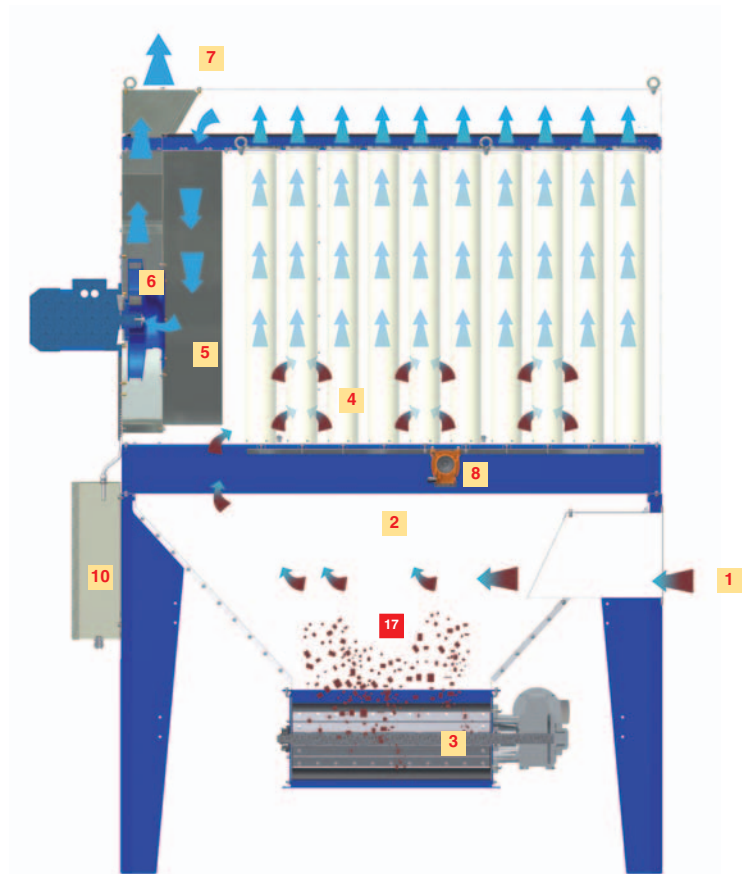
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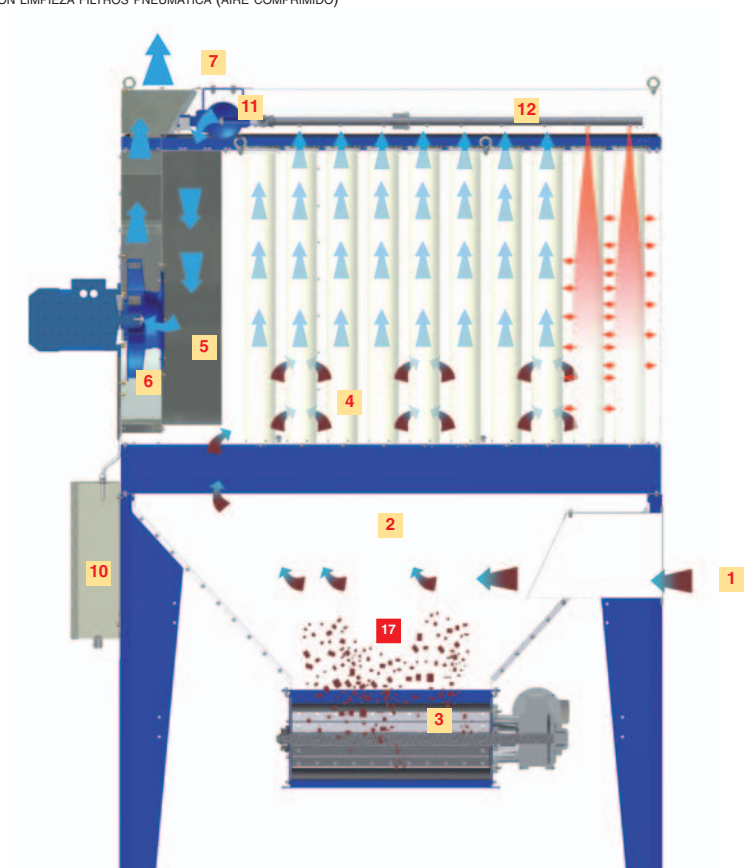
EUROFILTER VS / M

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14 CONDENSATE DISCHARGE

15 COMPRESSED AIR CONNECTION

16 NO-RETURN DAMPER

17 ROTATING BLADE MAXIMUM LEVEL CONTROL

OPTIONAL



Polluted air inlet



Pollutant



Clean air outlet



Reverse pulse compressed air



- Examples of EUROFILTER
BRIC 300 with briquetting press



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Production program

Portable dust collectors - Cartridge filters - Silo & boilers - Filtering extraction units for metal, chemicals, electronic, textile, food and wood-working industry - Soldering fumes filters - Source fume capture articulated arms - Spray booths - Soundproofed cabins & panels - Pressurized cabins & dust free rooms - Fans - Soundproofed boxes for fans - Ductwork and accessories - Smoke and vapour filters - Dryers: conventional & heat pump - Hose reels with suction fans for automotive industry.

Values on this catalogue are indicative and can be subject to modification and improvements. CORAL reserves the right to change them without previous advice.