

F I L T E R

# MF

Modular filter unit for dusts

*Modular filter unit  
for dusts*



ANTIPOLLUTION SYSTEMS

## OPTIONALS



- Spark detector
- Explosion relief panel
- Fans
- Stand for fan
- Fire extinguishing system

1  
2  
3  
4  
5



- Noise reduction box
- Air diffuser with grate
- Various piping

6  
7  
8

# MFM

M o d u l a r   f i l t e r   u n i t   f o r   d u s t s

M o d u l a r   f i l t e r   u n i t   f o r   d u s t s

# MFM

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M o d u l a r   f i l t e r   u n i t   f o r   d u s t s

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THE MFM MODULAR FILTER UNIT IS THE CHEAPEST AND MOST PRACTICAL SOLUTION FOR THE REMOVAL OF DUSTS REQUIRING A LARGE FILTERING SURFACE (E.G. WOOD SANDING). THE MFM DUST FILTER IS,

OF COURSE, ALSO IDEAL FOR THE FILTERING OF SAW DUST AND SMALL CHIPS WHERE THE QUANTITY IS NOT SO BIG TO REQUIRE THE USE OF A MINI-SILO OR SEPARATE CONTAINER (SILO).

## **MODULAR DESIGN:**

The MFM filters are manufactured in galvanized prefabricated panels which are easily assembled in standard modular units of 1 m (MFM 1), 2 m (MFM 2), 3 m (MFM 3), 4 m (MFM 4) and so on. This reduces considerably transport costs since the MFM's are being shipped in knock down form.

## **IMPROVED FILTERING EFFICIENCY:**

The high number of sleeves and the highly permeable needle polyester felt used improves the filtering efficiency as well as reducing pressure loss compared to traditional fabrics such as cotton.

A needle felt type A (280 gr/m) BIA U rated is supplied as standard.

For fine powders (e. g. sanding) the use of a type B felt is advised (with weight of 400 gr/m) BIA U rated. Are also available, on request, special filtering materials with antistatic treatment and BIA certification USG and USG,C.

## **SPACE-SAVING:**

The MFM's have been created with a view to keep the overall dimensions small in relation to the filtering surface. This means they can be installed where the space available is extremely restricted.

## **SLEEVES CLEANING:**

A motorised vibrator a 0,12 HP/95 W is a possible option.

**For best results cleaning process must be carried out when the fan is not in operation.**

## **EXCEPTIONALLY ECONOMICAL:**

the MFM series is the most simple and the cheapest of the filtration units with large filtering surface area.

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M o d u l a r   f i l t e r   u n i t   f o r   d u s t s

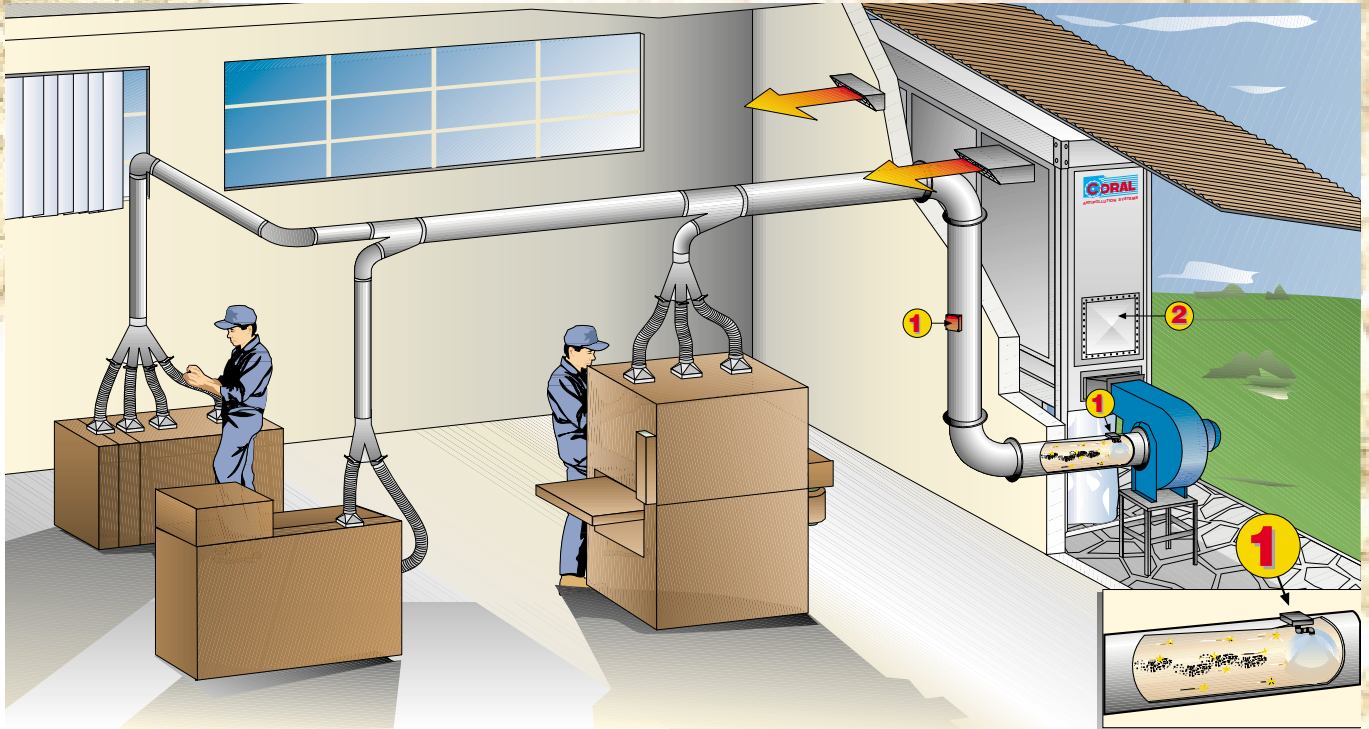
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# MFM

## Technical features

### Technical features



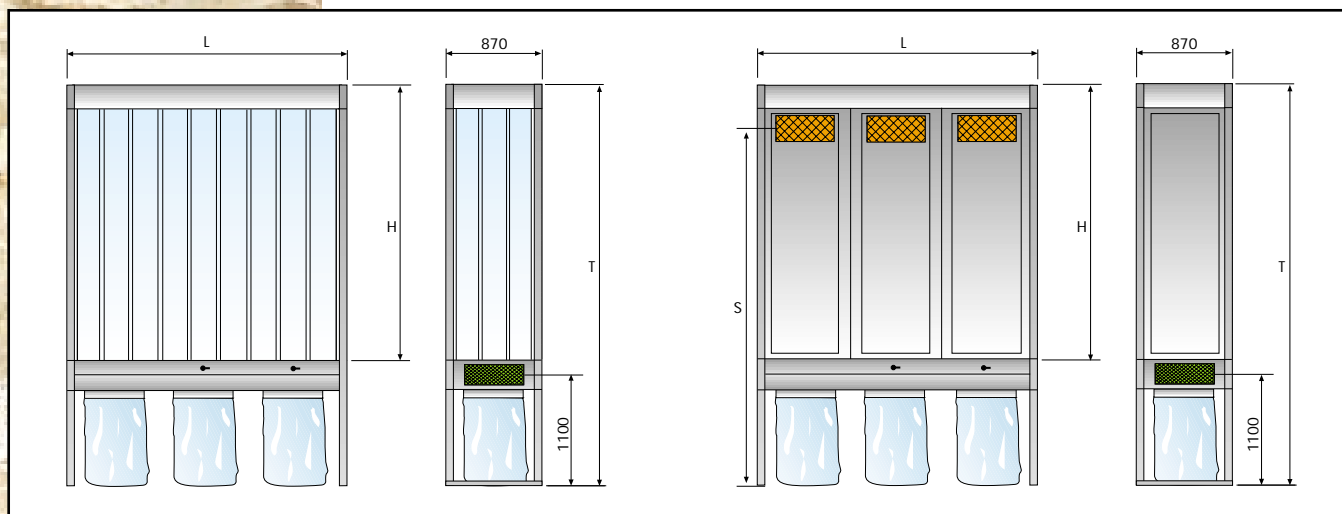
**1** Spark detector

**2** Explosion relief panel



• installation example of an "MFM" with hot air recovery.

MODEL	SLEEVES	SLEEVES N°	SUGGESTED SANDING DUST MAX RATE OF AIR FLOW m³/h - c.f.m.	SUGGESTED MAX RATE OF AIR FLOW FOR SAW DUSTS m³/h - c.f.m.	FILTERING SURFACE m² - Sq. Ft.	NUMBER OF COLLECTING BAGS Ø 500 mm	BAGS MAX COLLECTABLE VOLUME m³ - Cubic Ft.
	H						
<b>MFM /1H</b>	2500	9	1674 - 984	2232 - 1312	15,5 - 166	1	0,25 - 8,8
<b>MFM /2H</b>	2500	18	3348 - 1969	4464 - 2625	31 - 333	2	0,49 - 17,3
<b>MFM /3H</b>	2500	27	5022 - 2954	6696 - 3938	46,5 - 500	3	0,74 - 26,1
<b>MFM /4H</b>	2500	36	6696 - 3938	8928 - 5251	62 - 667	4	0,98 - 34,6
<b>MFM /1</b>	2000	9	1296 - 762	1728 - 1016	12 - 129	1	0,25 - 8,8
<b>MFM /2</b>	2000	18	2678 - 1575	3571 - 2100	24,8 - 266	2	0,49 - 17,3
<b>MFM /3</b>	2000	27	3996 - 2350	5328 - 3134	37 - 398	3	0,74 - 26,1
<b>MFM /4</b>	2000	36	5367 - 3157	7156 - 4209	49,7 - 534	4	0,98 - 34,6
<b>MFM /1B</b>	1500	9	972 - 571	1296 - 762	9 - 96	1	0,25 - 8,8
<b>MFM /2B</b>	1500	18	1944 - 1143	2592 - 1524	18 - 193	2	0,49 - 17,3
<b>MFM /3B</b>	1500	27	2916 - 1715	3888 - 2287	27 - 290	3	0,74 - 26,1
<b>MFM /4B</b>	1500	36	3996 - 2350	5328 - 3134	37 - 398	4	0,98 - 34,6



**MFM** VERSIONE CARENATA  
**MFM** VERSION CARÉNÉE

**MFM** ENCLOSED MODEL  
**MFM** VERKLEIDETE AUSFÜHRUNG



Model	H	L	T	S
<b>MFM /1H</b>	2500	870	3830	3400
<b>MFM /2H</b>	2500	1650	3830	3400
<b>MFM /3H</b>	2500	2430	3830	3400
<b>MFM /4H</b>	2500	3210	3830	3400
<b>MFM /1</b>	2000	870	3330	2900
<b>MFM /2</b>	2000	1650	3330	2900
<b>MFM /3</b>	2000	2430	3330	2900
<b>MFM /4</b>	2000	3210	3330	2900
<b>MFM /1B</b>	1500	870	2830	2400
<b>MFM /2B</b>	1500	1650	2830	2400
<b>MFM /3B</b>	1500	2430	2830	2400
<b>MFM /4B</b>	1500	3210	2830	2400

#### Signification sigles

**MFM** = normal model, sleeves height 2000mm

**MFM /B** = low model, sleeves height 1500mm

**MFM /H** = high model, sleeves height 2500mm



**MFM/2**



MODEL	INLETS mm	N°	OUTLETS mm	N°
<b>MFM 1</b>	500x180	1	500x180	1
<b>MFM 2</b>	500x180	1	500x180	2
<b>MFM 3</b>	500x180	1	500x180	3
<b>MFM 4</b>	500x180	1	500x180	4

ALL MODELS CAN BE ENCLOSED ON REQUEST