

Zincocar DF

Extraction wall
for Dust and Fume Filtration



Zincocar DF

Zincocar DF 1,5-2-2,5-3-4-5-6



Design

Extraction wall with high-performance horizontal cartridges for suction and filtration of dust from sanding and processing of wood, stone, marble, plaster, inert materials, surface finishing, welding fumes.

Zincocar DF

7 Models

AFON silencer

Reduces the noise level

Pneumatic cleaning system

With compressed air

Drawer

Dust collection



Filter cartridge
 Ø325/4PS1-H700-M
 CEL-213 g/m²

High efficiency cartridges provide dust filtration

Non-return flap

Detail of the suction slot with internal flap that remains shut during pneumatic cleaning of the cartridges to prevent leaks

Highlights

- **Plug and play:** quick installation and immediate commissioning
- **Simple maintenance** thanks to easily accessible horizontal cartridges
- **Easy to change the position** according to production needs
- **Maximum filtration efficiency**
- **Ideal for air-conditioned work areas:** avoids energy waste by reducing heating or conditioning
- **Simple dust collection** thanks to easily removable containers
- Afon silencer for low **noise level**

Applications



Welding fumes



Powders

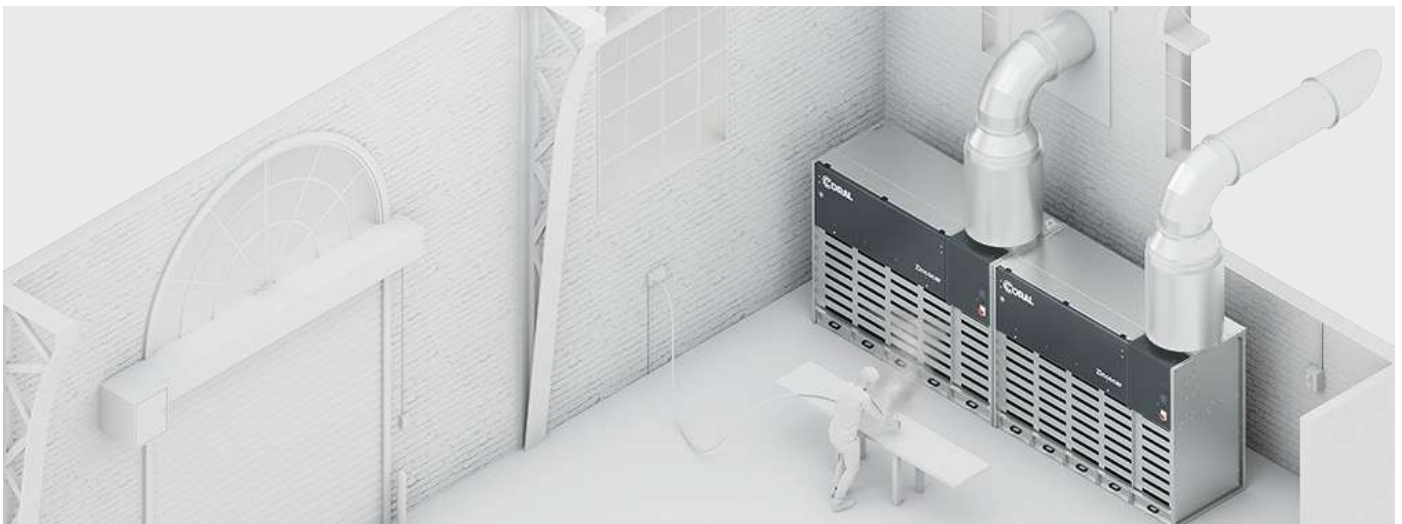


Wood dusts

Clean air solutions

The **Zincocar DF** extraction wall is an ideal solution for air purification in working environments where local extraction or piping installation is complex or unfeasible. It is especially useful in air-conditioned environments, avoiding energy waste

associated with the exhausting of treated air. It is suitable for processes with variable pollution sources and is effective when mobile units or centralised systems do not guarantee adequate filtration.



Easy access, quick and simple maintenance



The horizontal arrangement of the cartridges allows easy access and fast maintenance of the filtering section.

Filter Media

■ Zincocar DF

MEDIA	MATERIALS	m ²	g/m ²	STANDARD	OPTIONS
M CEL	CELLULOSE 6066	15	213	■	
M PES/TF	POLYESTER/PTFE COATING	13	270		■
M-PES+PTFE/MEMBRANE	POLYESTER -TEFLON MEMBRANE	13	290		■
M-PES+PTFE/MEMBRANE-H	POLYESTER/TEFLON MEMBRANE/ FABRIC WITH H13 FILTRATION EFFICIENCY	13	270		■
M-NANOTECH	CELLULOSE WITH NANOFIBERS	13	114		■
M-PES/AX/EXAM ACCREDITED	POLYESTER/ALUMINUM COATED /ANTISTATIC	13	270		■

STANDARD	OPTIONS
Zincocar DF	Zincocar DF
	
M CEL	M PES/TF M-PES+PTFE/MEMBRANE M-PES+PTFE/MEMBRANE-H M-NANOTECH M-PES/AX/EXAM ACCREDITED

Principle of operation

The extraction walls are built entirely of sturdy sheet metal panels. Through the soundproofing centrifugal extractor, a vacuum is created that determines the forced circulation of an air flow that conveys dust through high-efficiency cartridge filters (99.9%) without harmful diffusion into the environment. The air, perfectly filtered, is exhausted by the centrifugal extractor whose characteristics are such as to guarantee a suction speed on the wall that complies with current regulations. All **Zincocar DF** extraction walls are supplied with a cyclic programmer for cleaning the filter cartridges automatically with compressed air.

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- ① Dusty air inlet
- ①a Anti-return flap
- ② Dust collection drawer
- ③ Horizontal filter cartridge
- ④ Fan
- ⑤ Compressed air tank
- ⑥ Afon silencer
- ⑦ Filtered air outlet
- ⑧ Cyclic programmer ON/OFF switch



Product range



Zincocar DF

Equipped with IFA/BGIA M-CEL horizontal cartridges, it provides effective extraction and filtration of dust sanding and processing wood, stone, marble, plaster, inert materials, surface finishing, and welding fumes.

Complete with an automatic cleaning system, it ensures optimal performance and simplified maintenance.

Cartridges (nr)	Power (kW)
4	3
8	4
10	5,5
12	7,5
16	4+4
20	5,5+5,5
24	7,5+7,5

Technical features

Technical features		Model Zincocar DF						
		1,5	2	2,5	3	4	5	6
Power	kW	3	4	5,5	7,5	4+4	5,5+5,5	7,5+7,5
Nominal air flow	m ³ /h	6000	8000	10000	12000	16000	20000	24000
Number of cartridges	Ø325 mm H 700 mm	4	8	10	12	16 (8+8)	20(10+10)	24 (12+12)
Filtering surface	m ²	60	120	150	180	240	300	360
Cartridge classification		CELLULOSE 6066						
Pneumatic cleaning		YES	YES	YES	YES	YES	YES	YES
Drawer storage capacity	lt	120	152	187	240	304	374	480
RPM		2851	2910	2900	2910	2910	2900	2900
STD power supply	V	400	400	400	400	400	400	400
	Hz	50	50	50	50	50	50	50
Noise level	dB	72	72	73	73,4	75	76	76,4
Noise level with soundproofing plenum	dB	65	65	66	66,4	68	69	69,4
N. of drawers		3	4	5	6	8	10	12
Total weight	kg	750	800	950	1400	1600	1900	2800

Standard Components

Zincocar DF



Automatic compressed air cleaning

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Cyclic programmer

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AFON silencer

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ON/OFF switch

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Collection drawer

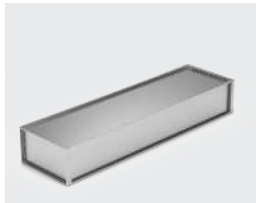
Options

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Roof light kit with on/off switch

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Soundproofing plenum

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Modular roof extension in one metre modules

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External control panel

DF 2,5 | 5



Soft start switch

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Modular lexan side extension

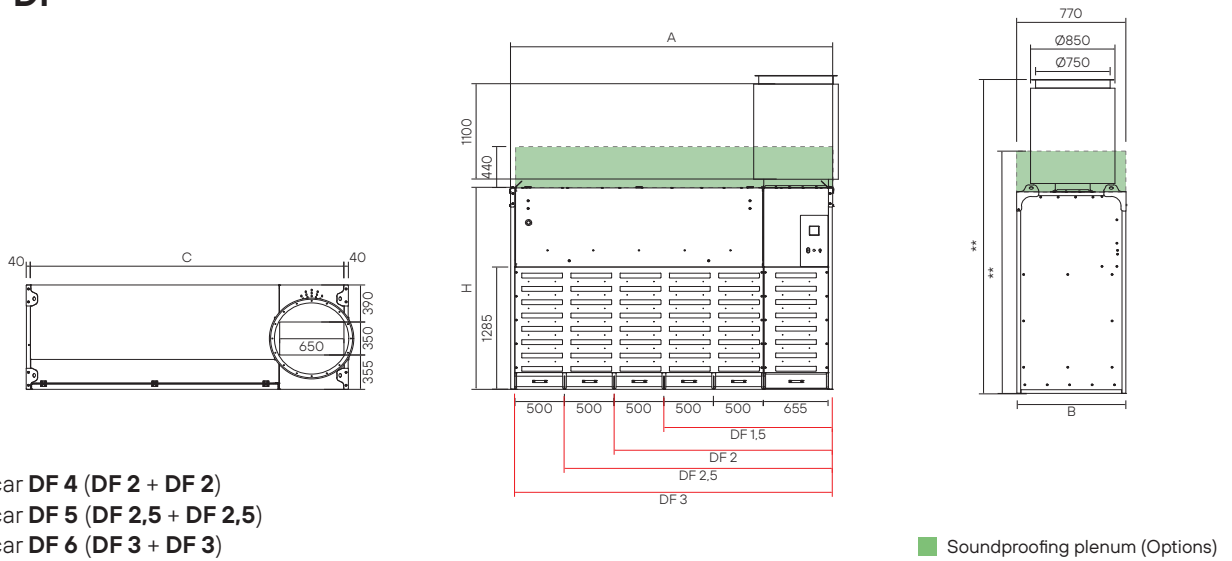
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Afon with Ogiva

Overall dimensions

Zincocar DF



- Zincocar **DF 4 (DF 2 + DF 2)**
- Zincocar **DF 5 (DF 2,5 + DF 2,5)**
- Zincocar **DF 6 (DF 3 + DF 3)**

MODEL	DIMENSIONS (mm)			
	A	B	H	C
Zincocar DF 1,5	1733	1095	2115	1653
Zincocar DF 2	2233	1095	2115	2153
Zincocar DF 2,5	2733	1095	2115	2653
Zincocar DF 3	3233	1095	2115	3153
Zincocar DF 4	4466	1095	2115	4306
Zincocar DF 5	5466	1095	2115	5306
Zincocar DF 6	6466	1095	2115	6306

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



Made in Coral

Coral manufactures 100% of all the components that are part of an industrial extraction system within their facilities in Volpiano, just outside of Turin. The quality of materials that we use and our industry experience guarantee a production of high level in everything we make.

ITALIA

MILANO	p: +39 02 95.30.1003
TORINO	p: +39 011 99.80.141
VICENZA	p: +39 0444 34.93.98
BOLOGNA	p: +39 051 69.26.335

FRANCE

LYON	p: +33 4 74 944 562
PARIS	p: +33 1 60 868 069
POITIERS	p: +33 5 49 379 596

GERMANY

LEVERKUSEN	p: +49 2171 3664067
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UNITED KINGDOM

LITTLEBOROUGH ROCHDALE	p: +44 1 706 377344
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MIDDLE EAST

DUBAI UAE	p: +971 56 1028130
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INDIA

BANGALORE	p: +91 734 888 2333 - 2777
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SINGAPORE

SINGAPORE	p: +65 88338991
-----------	-----------------

U.S.A.

KYLE, TX	p: +1 480 796 5352
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CORAL s.p.a.

Corso Europa, 597 10088

Volpiano (Torino) ITALY

p: +39 011 98.22.000

e: info@coral.eu

coral.eu



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