

ZincocarDF

Booth for dust and smokes



ZincocarDF



plug & play,
della easy maintenance,



The sanding booth **ZINCOCAR DF** has been studied according to modern criteria of plug & play, easy maintenance, maximum filtration efficiency and easy stand alone positioning

- ▶ Suction and filtering of:
 - WOOD SANDING DUSTS
 - STEEL SANDING/GRINDING DUSTS
 - WELDING FUMES
 - DUSTS FROM INERT MATERIALS
 - WORKING-DUSTS FROM SURFACE METALLIZATION



ZincocarDF



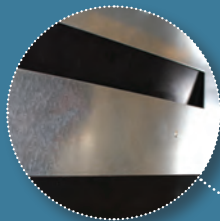
The ZINCOCAR DF has been studied and designed for various applications in workshops where:

- ▶ Local/source exhaust is difficult or not possible
- ▶ Ductwork installation is complicated or not suitable
- ▶ Air-conditioned or heated workshops to avoid energy waste in exhausting the air outdoor and the need to recycle the outside air
- ▶ Environments where the source of pollutant/smoke is changing depending on process
- ▶ Insufficient local exhaust performed by portable units or weak filtering capability of the existing pollution control system

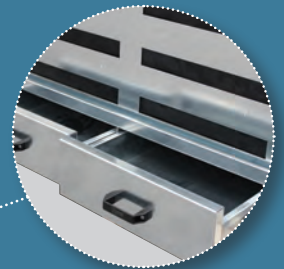


BENEFITS OF BOOTH ZINCOCAR DF

- Energy saving, reduced heating or air conditioning cost
- Easy and low cost retrofit without need of pipings
- Friendly transportation and installation by the crane eyelets and forklift lifting points
- Quick maintenance of the horizontal cartridges
- Stand alone positioning with the possibility to vary the location depending on immediate needs
- Easy dust disposal thanks to the wheeled container
- Plug & play installation just with compressed air connection and electric power
- Low noise operation thanks to the high efficiency backward curved fans installed
- Filtered air recirculation in the working area



NO RETURN RUBBER LIP
detail of suction slot with inner rubber lip that
closes during pulse cleaning of the cartridges



ZincocarDF

OPERATING PROCEDURE



The cabins are completely built in panels of galvanized iron (painted on request) bolted to one another.

The operating procedure of the sanding cabin **ZINCOCAR DF** is simple and effective and is clearly illustrated in the diagram.

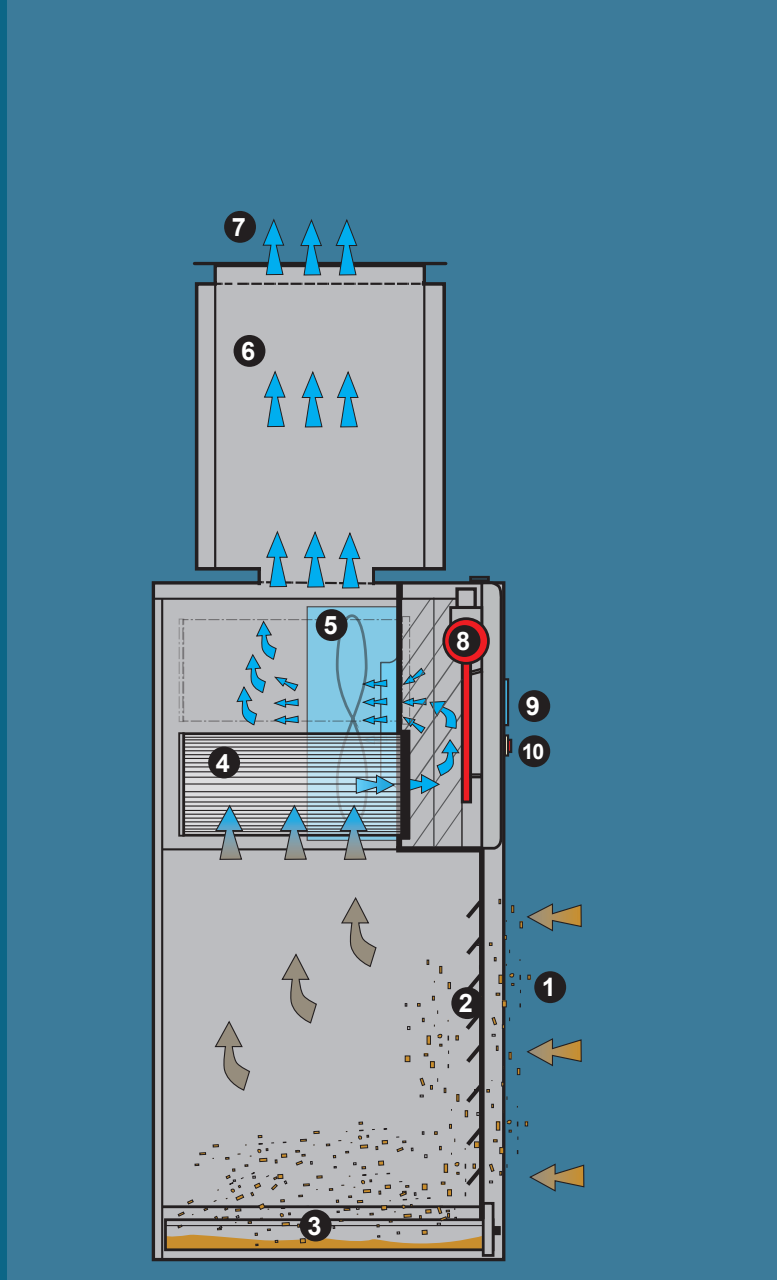
A vacuum is created via the soundproofed centrifugal fan positioned on the upper part of the cabin.

This vacuum forces the air to circulate driving the dust through the high efficiency Class M cartridge filters without dangerous spreading into the work environment.

The air, perfectly purified, is ejected by the centrifugal fan the characteristics of which are such as to guarantee the correct suction speed of the area in accordance with existing regulations.

The cabin is also equipped with a complete cyclic programmer for the automatic cleaning of the filtering cartridges by compressed air and ON/OFF switch.

ZINCOCAR DF standard version includes AFON silencer.



1 DUST INLET

4 FILTERING CARTRIDGE

7 FILTERED AIR OUTLE

2 NO RETURN RUBBER LIP

5 FAN

8 COMPRESSED AIR TANK

3 DUST COLLECTING DRAWER

6 AFON SILENCER

9 CYCLIC PROGRAMMER (PLC)

10 ON/OFF SWITCH

 Pollutant

 Clean air outlet

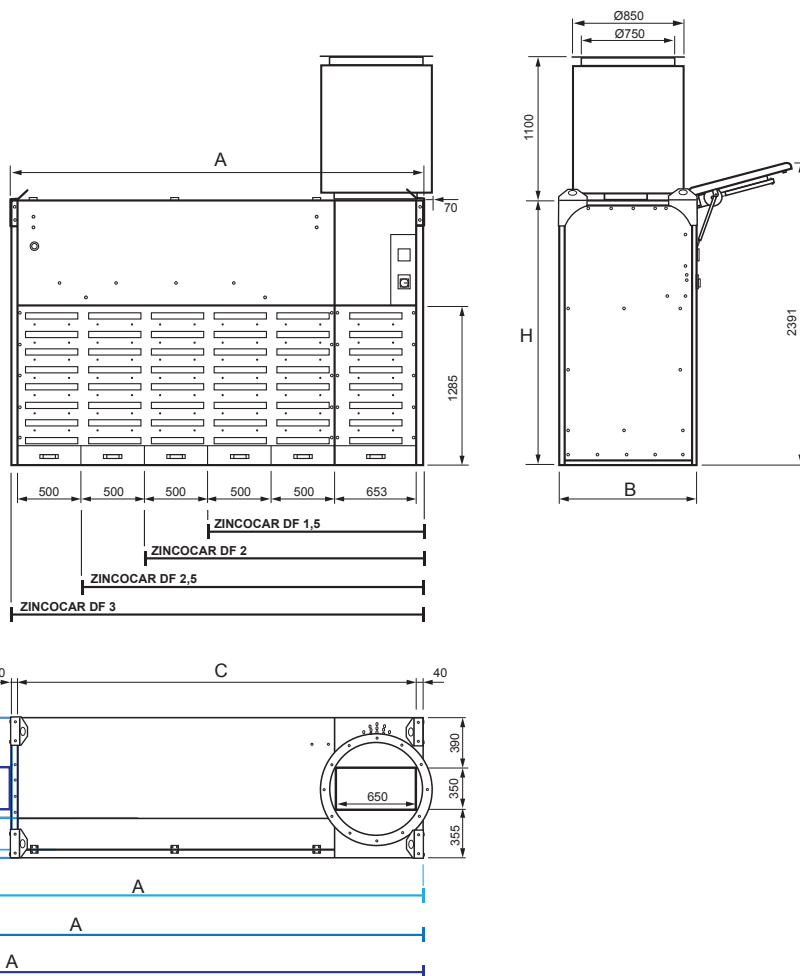
 Compressed air pulse cleaning system

OVERALL DIMENSIONS

	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

ZINCOCAR DF 4 (DF 2+DF2)
 ZINCOCAR DF 5 (DF2,5+DF 2,5)
 ZINCOCAR DF 6 (DF3+ DF3)

Dimensions (mm)



TECHNICAL FEATURES

	Fan kW	Electrical feeding	R.P.M.	Delivery m³/h	Sound level dB (A)	Dust stock capacity litri	No. of drawers
ZINCOCAR DF 1,5	3	3Ph 400V 50Hz	2851	6000	72	120	3
ZINCOCAR DF 2	4	3Ph 400V 50Hz	2910	8000	72	152	4
ZINCOCAR DF 2,5	5,5	3Ph 400V 50Hz	2900	10000	73	187	5
ZINCOCAR DF 3	7,5	3Ph 400V 50Hz	2910	12000	73,4	240	6
ZINCOCAR DF 4	4+4	3Ph 400V 50Hz	2910	16000	75	304	8
ZINCOCAR DF 5	5,5+5,5	3Ph 400V 50Hz	2900	20000	76	374	10
ZINCOCAR DF 6	7,5+7,5	3Ph 400V 50Hz	2910	24000	76,4	480	12

CARTRIDGE FILTERS

	Number of cartridges	IFA/BGIA rating	Cartridges dimensions mm	Filtering area m'
ZINCOCAR DF 1,5	4	M-CEL CELLULOSE CELLULOSE CELLULOSE CELLULOSE CELLULOSE	Ø325x H700	60
ZINCOCAR DF 2	8			120
ZINCOCAR DF 2,5	10			150
ZINCOCAR DF 3	12			180
ZINCOCAR DF 4	16 (8+8)			240 (120+120)
ZINCOCAR DF 5	20 (10+10)			300 (150+150)
ZINCOCAR DF 6	24 (12+12)			360 (180+180)

OPTIONALS

1 Modular extended roof

2 Light

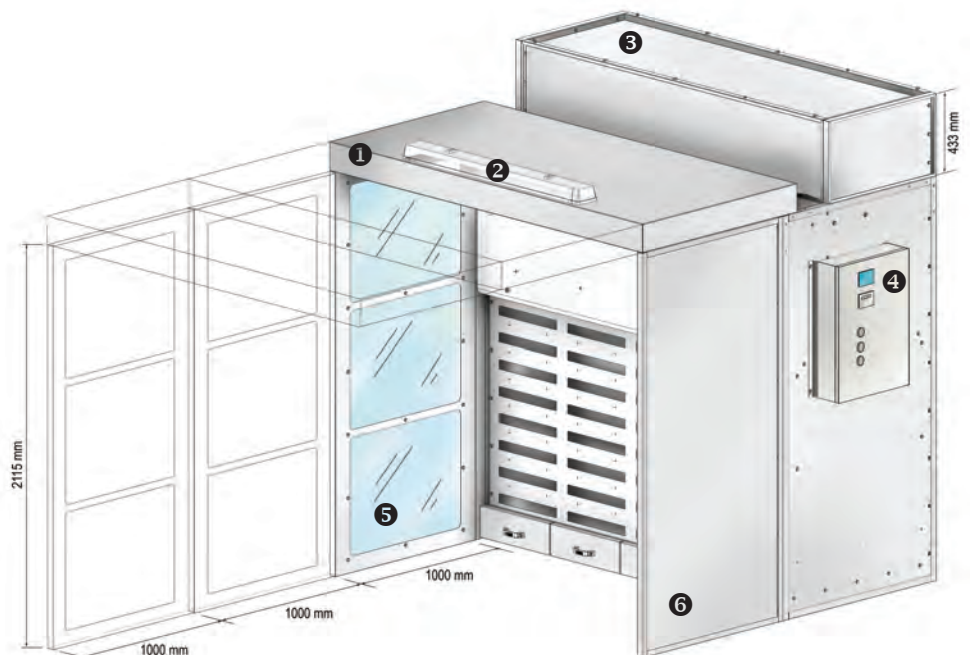
3 Sound-proof plenum for air outlet

4 External control board

5 Side modular wall in LEXAN (5) or in galvanised metal sheet (6) (module 1000 x 2115 mm)

8 Total painting

9 Cartridges filters



7 Starter SOFT START (For ZINCOCAR DF 2.5/3/5/6)



M PES/TF <i>polyester/PTFE coating</i>	M-PES/AX/EXAM ACCREDITED <i>polyester/aluminum coated/antistatic</i>
M PES+ PTFE/membrane <i>polyester/teflon membrane</i>	M-NANOTECH <i>cellulose with nanofibers</i>



Cartridge model choice could affect various parameters

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www.coral.eu



CORAL S.p.A. Corso Europa, 597 - 10088 Volpiano (Torino) ITALY
☎ +39 011 9822000 Fax +39 011 9822033-044

ENGINEERING SISTER COMPANY

MEGACAP (M) SDN BHD (199001000625) (192183-T)
Lot 7793 Jalan Batu Tiga, Bukit Cherakah, 40150 Shah Alam,
Selangor, Malaysia
Tel: +603-7847 5990 Fax: +603-78475992
H/P: +6019 332 1577 Philip Yong
Email: philipmegacap@gmail.com
Website : www.megacap.com.my www.coral.eu