

# Extraction benches

Poliwood DF | Poliwood

Workbenches  
for the wood and marble industry



## Poliwood DF

Poliwood DF 1500-2000-2500

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Poliwood 1500-2000-2500

# Design

Galvanised steel suction bench, equipped with horizontal cartridge filters, ideal for direct collection of chips and dust in finishing, sanding and machining operations on materials such as wood and marble. It ensures a cleaner and more efficient working environment.

**Extraction benches**

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6
Models

# Applications



Wood shavings



Wood dust



Marble dust

# Filtration technology

■ Poliwood DF

MEDIA	MATERIALS	m <sup>2</sup>	g/m <sup>2</sup>	STANDARD	OPTIONAL
L-PES	POLYESTER		200	■	
M-PES/TF	TEFLON-COATED POLYESTER	11,5	270		■
M-PES/AX/EXAM accredited	POLYESTER /ALUMINISED/ ANTISTATIC	11,5	270		■
M-PES+PTFE/Membrane	POLYESTER - TEFLON MEMBRANE	11,5	290		■
M-PES+PTFE/Membrane-H	POLYESTER/ TEFLON MEMBRANE/ FABRIC WITH H13 FILTRATION EFFICIENCY	11,5	270		■

STANDARD

1500 | 2000 | 2500



L-PES

1500 | 2000 | 2500



M-PES/TF  
M-PES/ALU/EXAM accredited  
M-PES+PTFE/Membrane  
M-PES+PTFE/Membrane-H

# Principle of operation

## Poliwood DF

The air is extracted through the working surface and the front wall (optional) and it is conveyed downwards and then the dusty air passes through cartridge filters that trap the dust. The filters are cleaned with a compressed air jet cleaning system, where the dust falls into the collection tray. Clean air exits through the grille at the top of the machine. The automatic fire extinguishing system with extinguisher and electrical panel is a strongly recommended option in case of machining operations that produce sparks.

## Poliwood

The air is extracted through the working surface and it is conveyed downwards where the dusty air passes through the tunnel at high suction speed to avoid potentially flammable deposits, and it exits through the opening on the side of the machine. An extraction and filtration system must be provided.

## Poliwood DF



## Poliwood

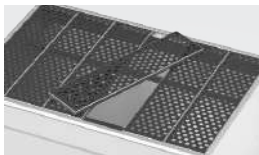


- ① Fire extinguishing system (recommended option)
- ② Dusty air inlet
- ③ Collection drawer
- ④ Filter cartridges
- ⑤ High-speed suction tunnel
- ⑥ Compressed air tank
- ⑦ Fan
- ⑧ Filtered air outlet
- ⑨ Dusty air outlet
- ⑩ Economiser Run/stop switch

# Poliwood DF



- Equipped with **soundproofing box** for minimal noise.
- **"Plug & Play"** solution, no installation required.
- Extreme **ease of maintenance**.
- **"Down Flow Concept"**.



Galvanised steel extraction plate with felt protection



Economiser



Automatic compressed air cleaning system



Switch ON/OFF

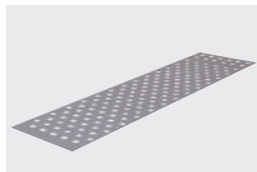
## Optional

1500 | 2000 | 2500



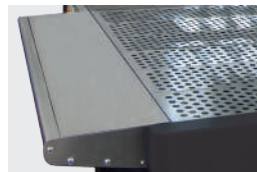
Automatic fire extinguishing system with fire extinguisher and control panel, Recommended for work generating sparks

1500 | 2000 | 2500



Bench top polypropylene

1500 | 2000 | 2500



Non-extracting extension for bench top Width 360mm

1500 | 2000 | 2500



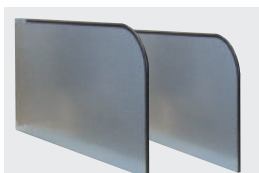
Light kit for suction wall

1500 | 2000 | 2500



Front extracting wall

1500 | 2000 | 2500



Fixed non-suction side walls

1500 | 2000 | 2500



Afon silencer + Diffuser Kit

1500 | 2000 | 2500



Afon silencer with Ogiva

1500 | 2000 | 2500

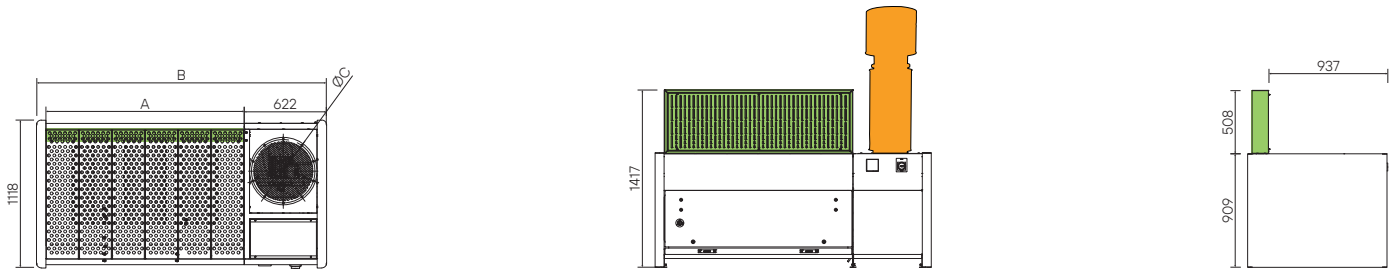


Non-suction fairing for bench top

# Technical features

Technical features		Model Poliwood DF		
		DF 1500	DF 2000	DF 2500
Power	kW	2,2	3	4
Maximum flow rate	m <sup>3</sup> /h	4300	5300	6300
Number of cartridges	Ø325 mm H 660 mm	3	5	6
Filtering area	m <sup>2</sup>	28	46,5	56
IFA/BGIA certification		POLYESTER		
Cleaning system		Automatically controlled pneumatic item		
RPM		2900	2900	2900
Voltage	V	230/400	230/400	230/400
	Hz	50	50	50
Weight	Kg	370	452	538
		Maximum available load		
Distributed load	Kg/m <sup>2</sup>	250	250	250
Available placing surface	m <sup>2</sup>	1,6	2,1	2,6
Available placing surface with front wall	m <sup>2</sup>	1,3	1,7	2,1

# Overall dimensions



■ Afon silencer and diffuser kit (Optional)

■ Front suction wall (Optional)

MODEL	DIMENSIONS (mm)		
	A	B	ØC
Poliwood <b>DF 1500</b>	1500	2193	450
Poliwood <b>DF 2000</b>	2000	2693	450
Poliwood <b>DF 2500</b>	2500	3195	450

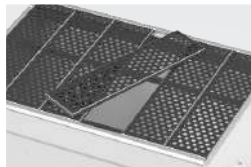
# Poliwood



- **Galvanized steel top** with felt protection.
- **Maximum dust** extraction and filtration from wood sanding.
- **Several options** for adapting the extraction table to specific needs.
- Upon request, silencer and front suction wall and side walls for maximum working comfort.
- **Felt or polyethylene** bench top option.



Inspection hole



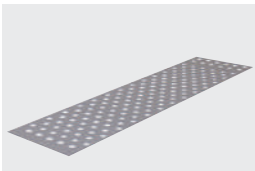
Galvanised steel extraction plate with felt protection



Air outlet

## Optional

1500 | 2000 | 2500



Bench top polypropylene

1500 | 2000 | 2500



Front extracting wall

1500 | 2000 | 2500



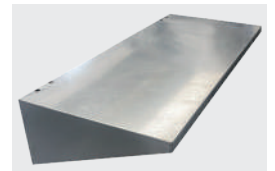
Light kit for suction front wall

1500 | 2000 | 2500



Fixed non-suction side walls

1500 | 2000 | 2500



Shelves complete with supports

1500 | 2000 | 2500

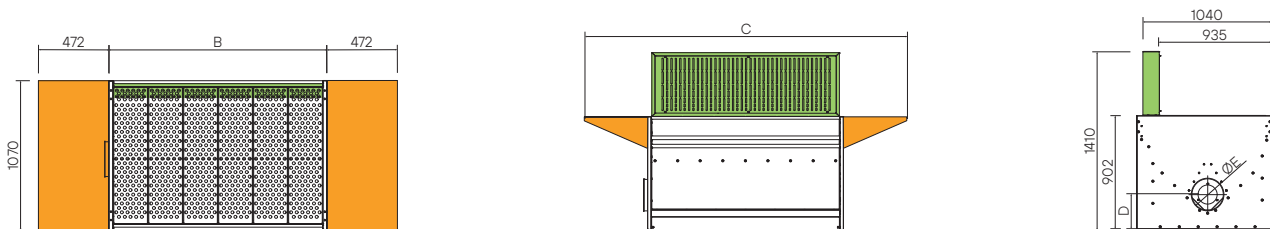


Non-suction fairing for bench top

# Technical features

Technical features		Model Poliwood		
		1500	2000	2500
Maximum flow rate	m <sup>3</sup> /h	4000	5000	6000
Pressure drop	Pa	250	300	350
Weight	kg	165	210	255
		<b>Maximum available load</b>		
Load distribution	Kg/m <sup>2</sup>	250	250	250
Available placing surface	m <sup>2</sup>	1,6	2,1	2,6
Available placing surface with front wall	m <sup>2</sup>	1,3	1,7	2,1

# Overall dimensions



■ Side shelves complete with supports (Optional)
 ■ Front suction wall (Optional)

MODEL	DIMENSIONS (mm)				
	A	B	C	D	ØE
Poliwood <b>1500</b>	1500	1562	2506	276	250
Poliwood <b>2000</b>	2000	2062	3006	300	300
Poliwood <b>2500</b>	2500	2562	3506	326	350

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.

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For a cleaner future.