

Ventilated cabinet Zefiro 90 painted sheet metal  

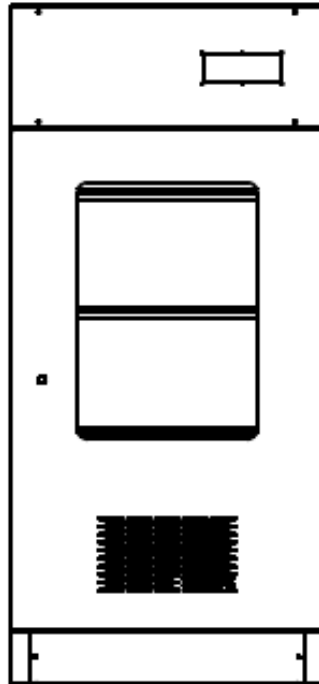
Ventilated workstation for operators protection

Ventilated cabinet Zefiro

CODE AL90XX

Manufacturer: Diapath

Distributor: Diapath



The picture above shows the product but it is indicative for dimensions and equipped accessories

General features

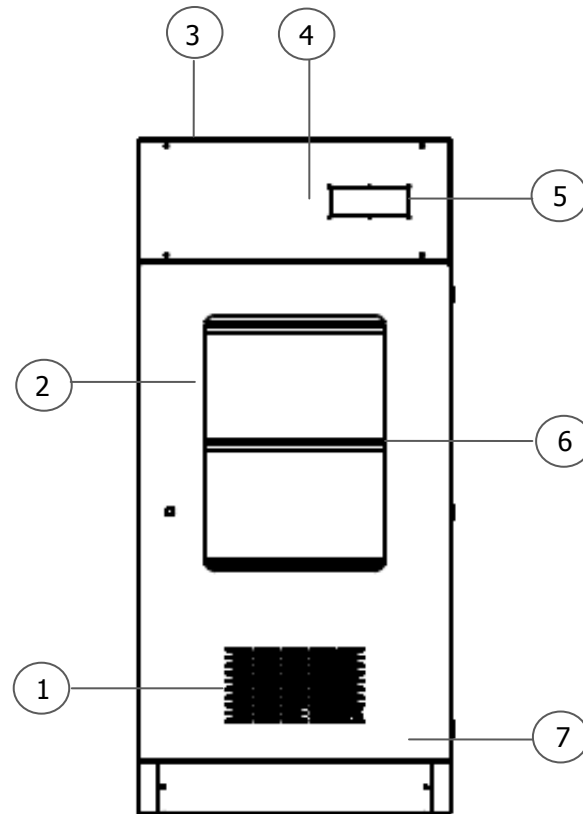
The Zefiro ventilated workstations are designed to protect the operator during operations that could expose him to inhalation of harmful vapors.

They are modern modular ventilated working stations that, depending on the desired configuration, offer an optimal solution in every step of specimen processing.

The attention to manufacturing materials ensures reliability and durability, offering meanwhile an innovative line and a functional and attractive design.

The ventilated cabinet Zefiro is designed to store specimen containers or other potentially dangerous or harmful chemical products.

The ventilated cabinet Zefiro protects the environment and the operator due to its non-stop flow of suctioned air, that avoids to harmful or toxic vapors to spread throughout the environment.



The picture above shows the product but it is indicative for dimensions and equipped accessories

Overview

- | | |
|-------------------|-----------------|
| ① Suction nozzles | ⑤ Control panel |
| ② Doors | ⑥ Shelves |
| ③ Fume ejection | ⑦ Safety basin |
| ④ RFID reader | |

Overview

Suction nozzles

Suction nozzle for air circulation, equipped with anti-dust prefilter.

Doors

Hinged doors with locking system, available with glass windows or blind door.

Fume ejection

Arrangement for connection to suction system.

RFID reader

The ventilated cabinet Zefiro are equipped with a modern patented control system of filter exhaustion that informs the user about the need to replace filtering batteries. This system ensures that ventilated station works always in CE IVD certified conditions and that provides always the right protection to the operator.

Control panel

Control panel with membrane keyboard and LCD 4,3" color display where are displayed all process parameters.

Shelves

Equipped shelves made of stainless steel, adjustable in height, flanged and with basin.

Safety basin

Safety basin to collect any pouring from containers.

Functions

Zefiro ventilated workstations offer a number of functions designed to make easier and more comfortable the operations performed by users.



Possibility to manage exhaust fan speed by user interface. Automatic setting of motor speed, to have maximum ventilation speed when the door is open.

Suction



Possibility to manage switching off delay of many functions, such as ventilation.

Function delay



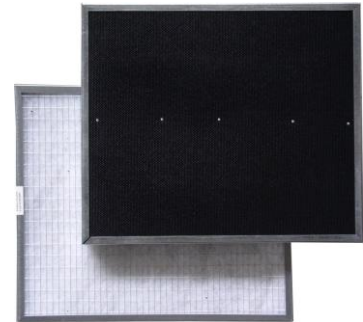
Alarm that detects the opening of door/s and inform the operator.

Open door alarm

Filtering batteries

The Zefiro ventilated workstations are equipped with activated charcoal filters and, optionally, with absolute filters (HEPA).

Each filtering battery consists of: synthetic fiber prefilter, activated charcoal filter and, where foreseen, HEPA filter. Filters have a duration limited to the amount of chemical agent absorbed.



Synthetic fiber prefilter



The first part of the filtering battery is composed by elements made of synthetic fibers, able to remove bigger dust particles. The use of these filters (dim. 500x510 mm) prevents the premature clogging of activated charcoal filters, in order to increase the longevity and effectiveness of micro charcoal granules present in the next filter part.

Activated charcoal filter



The second filtering part consists on cells of 10Kg of charcoals activated by chemical processes. Micro granules present in these cells are able to filter the air removing molecules of harmful or even toxic fumes. The activated charcoal filters may be specific for filtration of formalin or generic.

Diapath SpA, in its continuous effort to improve the service offered and the quality of its products, introduces in its ventilated hoods a patented electronic control system able to detect and save filtering battery expiry date. The filtering batteries must be periodically replaced with original spare parts approved and certified by the manufacturer.



Exhaust fans

The equipped exhaust fan is designed according to the following factors: kind of hood, filtering battery (activated charcoal, absolute, anti-dust, etc ...), line of vapor exhalation, length of suction ducts.



Local exhaust fan 132 – SDB099007

Local centrifugal exhaust fan model 132 with casing and impeller made of spark-proof plastic material

- Rated power: 0.18 KW

Remote exhaust fan 202 – SDB099008

Remote centrifugal exhaust fan model 202 with casing and impeller made of spark-proof plastic material

- Rated power: 0.18 KW

Remote exhaust fan 222 – SDB099009

Remote centrifugal exhaust fan model 222 with casing and impeller made of spark-proof plastic material

- Rated power: 0.25 KW

Remote exhaust fan 252 – SDB099010

Remote centrifugal exhaust fan model 252 with casing and impeller made of spark-proof plastic material

- Rated power: 0.37 KW

Remote exhaust fan 282 – SDB099011

Remote centrifugal exhaust fan model 282 with casing and impeller made of spark-proof plastic material

- Rated power: 0.75 KW

Remote exhaust fan 312 – SDB099012

Remote centrifugal exhaust fan model 312 with casing and impeller made of spark-proof plastic material

- Rated power: 1.5 KW

General features

The structure is made entirely of AISI 304 stainless steel or painted sheet metal.

The base is equipped with side support feet to make easy the movement with transpallet.

The ventilated cabinets Zefiro are digitally controlled by microprocessor and have LCD color screen to display functional parameters such as filtering battery expiry and the control of electro exhaust fan (by inverter).

Shelves, made of AISI 304 stainless steel, can be arranged in different configurations depending on the size of containers to be stored.

Hinged door with locking system available in two models:

Blind doors – mod. 00

Glass doors – mod. 01



Accessories

LED lights – SDCPS9003

Technical features

Dimensions ■ Width 900 mm
■ Depth 502 mm
■ Total height 1950 mm

Total weight ■ 120 Kg (different for each configuration)

Material ■ Patented sheet metal

Power ■ 230VAC 50 Hz

Arrangements ■ Fume exhalation Ø 200 mm

Filtering battery ■ 1 Filter made of synthetic anti-dust fiber
■ 1 Activated charcoal or generic filter

Exhaust fan ■ Verify power specifics in the dedicated section

Speed setting ■ Single-phase inverter sized according to exhaust fan model

Detection system for filtering battery replacement ■ RFID antenna

Alarm for filter replacement ■ Timer that counts the residual working time of filtering batteries and highlights the necessary replacement date

User interface ■ LCD color 4,3" display with membrane control keyboard

Zefiro ventilated cabinets are manufactured according to rule EN14175