



CleanAir[®]

FACTORY

mini
CATALOG





CleanAir Sp. z o.o.
Miszewko • Poland

About us

In order to meet the needs related to the maintenance of the highest standards at work stations for people and machines, CleanAir Factory has been producing and implementing industrial equipment and systems for dust extraction and filtering for almost 20 years. We offer comprehensive and modern solutions that will help increase the efficiency and comfort of work in your company.

CleanAir devices are used to extract contaminants from tables for mechanical and thermal cutting (plasma, laser), workplaces protection during welding, grinding, polishing or processing plastics. We also offer general ventilation systems.

An industrial ventilation system of the "push-pull" type developed by our company is a perfect solution for filtering and ventilation for large production halls. It is a closed-loop solution which, in addition to its high filtration efficiency, also offers the benefits of heat savings.

CleanAir is a professional engineering staff, thanks to whom the tasks in the field of design and implementation of devices are carried out at the highest level. Innovative solutions and individual approach to the construction of filtering systems, specialized welding hoods and extractors for plasma and laser cutting tables, place us among the industry leaders.

We design devices taking into account the observations and comments from our clients. As a result, our products are characterized by above-average usability, ergonomics unprecedented in this type of devices and ease of use, not requiring unnecessary work. High-class materials and components used in their production guarantee many years of trouble-free operation. The high saving is also connected with the significantly lower running costs. By equipping our devices with top-class filter cartridges (dust-retaining with 99.9% efficiency) and the quality, reliability and repeatability of CleanAir production we can ensure the comfort of work for people and machines in your company.

Our solutions are present at over 400 contractors in the EU.

I invite you to cooperation.

Chairman of the Board



Janusz Andrzejuk

CleanAir 4000 · 6000 · 8000

is a stationary unit used both in the large industrial facilities and smaller production plants.

Optimally designed construction of the devices enables to achieve minimal air flow resistance. Their capacity varies from 4000 to 8000 m³/h in one module and up to 20.000 m³/h in three interconnected modules. Such high performance allows for the use of these devices for the environmental protection (extraction sleeves), **push-pull ventilation system** operating in a closed circuit, general ventilation system (operating in an opened circuit), as well as for the extraction system of pollutants from the thermal cutting tables.

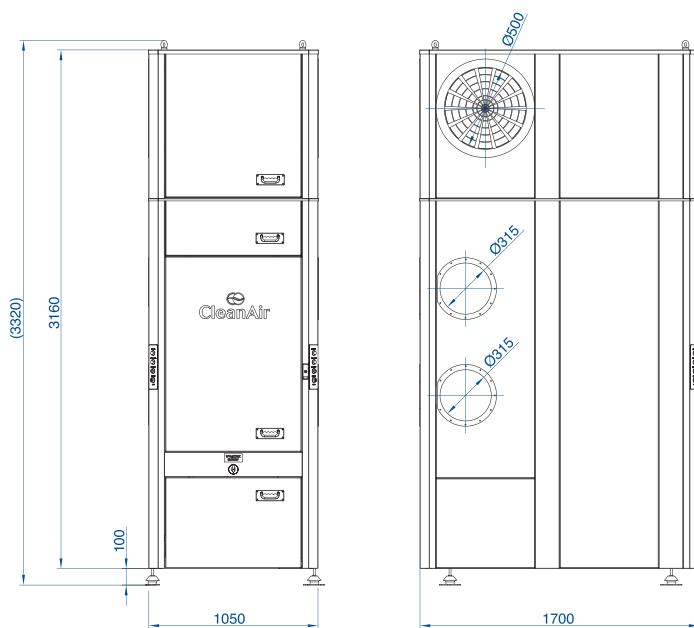
The models CleanAir are equipped with the highest-class filter cartridges, separating the dust with effectiveness of 99,98%. Their size and surfaces are optimally selected for each device.

The ergonomic mounting system saves user's time and hardship connected with filter replacement. Each device contains the integrated expansion chamber playing the function of "spark catcher".

The device is adapted for using the "winter-summer" air distribution system.

The noise level is worth mentioning and it oscillates between 73 dB (A) from the distance of 1 m.

Stationary
filtering unit
CleanAir
4000, 6000, 8000



Catalog number	CA40003	CA60003	CA80003
Power [kW]	4,0	5,5 / 6,0	7,5
Voltage [V]	3x400	3x400	3x400
Noise [dB(A)] - 1m	73	74	76
Noise [dB(A)] - 5m	69	69	70
Volume flow [m ³ /h]	5200	7800	10500
Pressure [Pa]	3100	3200	3200
Weight [kg]	920	950	970



CleanAir Basic

is a mobile filtering and ventilation device, designed for workshop works on the sites contaminated with heterogeneous dusts.

This unit is used at the processes of welding, grinding, pouring and wherever the dusts are generated (also adhesive, moisture or greasy ones). **CleanAir Basic** is adapted for cooperating with one standing extraction arm with diameter of 160 mm and range up to 2 m.

The main filter element is capacity filter cartridge. The device contains also metal pre-filter and final filter of carbon impregnated fabric.

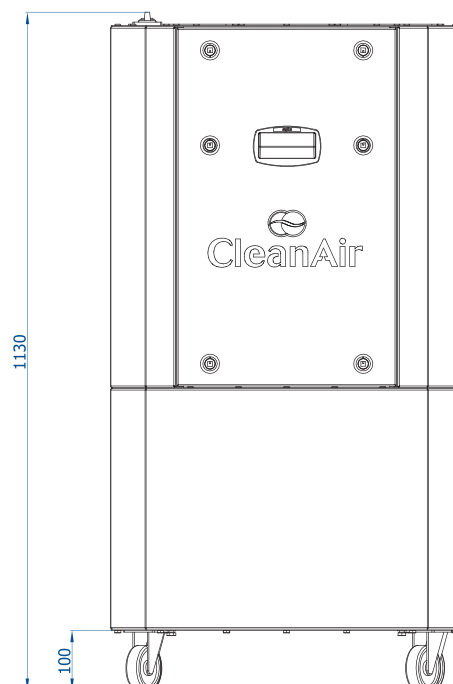
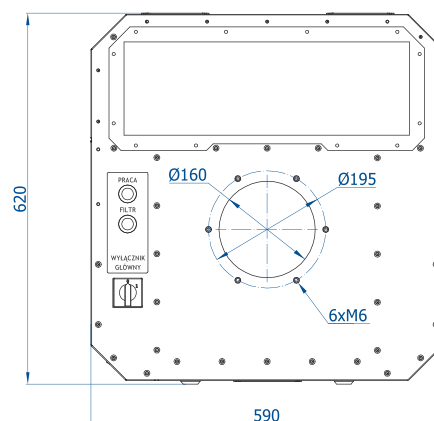
The device controller informs the user on the necessity of the filter element replacement.

CleanAir Basic is powered from the 230V mains and it does not require compressed air for the operation.

Note

- The devices must not be used for the filtration of chemically aggressive or explosive compounds.
- Maximum temperature of supplied air must not exceed 60°C.
- The device may only be applied indoors.

Mobile filtering device
CleanAir Basic



Catalog number	CAB05501
Power [kW]	0,55
Voltage [V]	230
Noise [dB(A)] - 1m	69
Volume flow [m³/h]	1400
Pressure [Pa]	1200
Weight [kg]	72

CleanAir 1000 · 2000

are commonly-used devices for workplace fume exhaust system, used in different production processes. The main filter element is filter cartridge cleaned automatically with compressed air impulse. The devices are adapted for cooperating with one (CleanAir 1000) or two (CleanAir 2000) extraction arms.

The distinguishing feature of both models is built-in expansion chamber module, increasing the standard of the safety operation.

Parameters of the devices CleanAir 1000/2000:

Low energy consumption

- fan with capacity
CA 1000 1,1 KW / 3x400 V,
CA 2000 2,2 KW / 3x400 V

Four stage filtration

- Expansion chamber
- Metal filter
- Cartridge filter – cleaned with compressed air impulse
- Progressive carbon filter

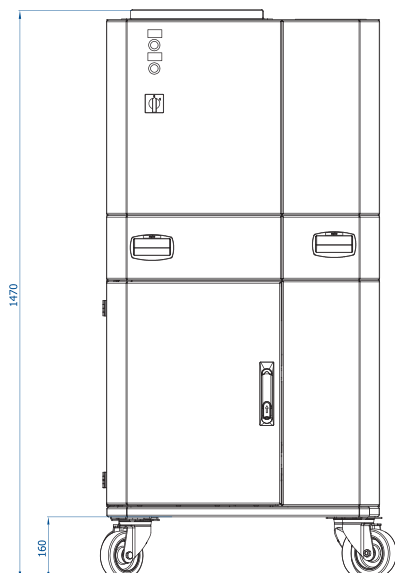
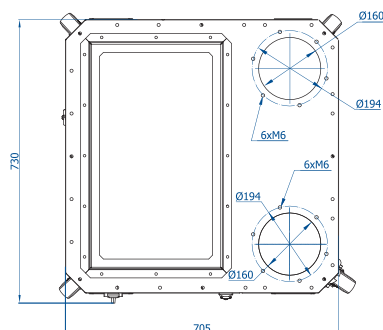
Occupational safety and health

- Air filtration 99,9%
- Expansion chamber – “spark catcher”

Ergonomics

- Easy access to the filter
Ergonomic door to the filtration chamber (patented solution)
- Arm with diameter of 160 mm and range of 2 m or 3 m
- Mobile devices – wheels with diameter of 125 mm and brakes
- Stationary units - consoles for suspending the device.

Workstation filter
ventilation device
CleanAir
1000, 2000



Catalog number	CA10003	CA20003
Power [kW]	1,1	2,2
Voltage [V]	3x400	3x400
Noise [dB(A)] - 1m	72	74
Volume flow [m³/h]	1700	2700
Pressure [Pa]	1800	2450
Weight [kg]	120	135

CleanAir GRIND

is used for extracting pollutants generated during the process of grinding, polishing or cleaning the equipment with manual tools.

The table GRIND has its own filtering and ventilation system, and its ergonomics allows for comfortable work and operation; it has, among the others, a socket for power tools, a socket with connection for pneumatic devices and side shelves for manual tools. At the upper part of the table there is a lamp which illuminates perfectly the workplace.

While doing the grinding a heavy dust falls down on the grating, and then down into the main drawer, whereas the volatile fractions present nearby the vertical wall are sucked and accumulated in the filter surface.

The fan sucks the air through the wall and after filtration it ejects it vertically up.

Max. load of table: 70 kg.

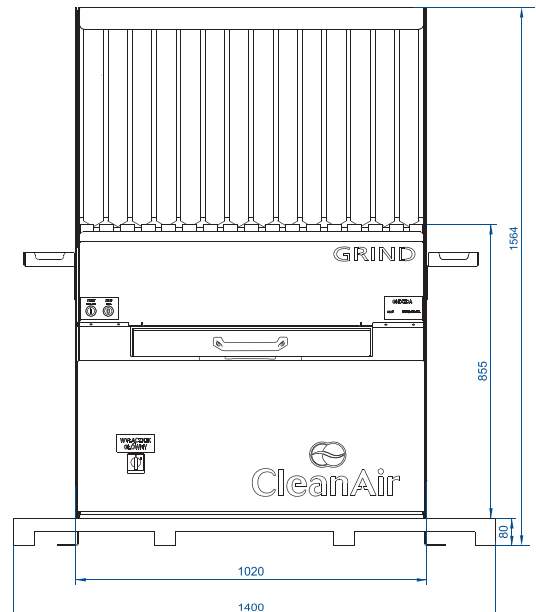
Three-stage filtration

- Expansion chamber
- Metal filter
- Pocket filter
- Air filtration 99,9% of grinding dust

Ergonomics

- Modular construction
- Work top 1000x700mm
- Two gratings: steel and wooden one
- Electric socket
- Pneumatic socket
- Easy access to the tools – shelf
- Platform

Grinding table
CleanAir
GRIND



Catalog number	CAG1003
Power [kW]	1,1
Voltage [V]	3x400
Noise [dB(A)] - 1m	69
Volume flow [m³/h]	1400
Dimensions w/d/h [mm]	1020x950x1564
Weight [kg]	235

CleanAir IMBIBE



Filtration device with water pre-separator.

Catalog number	IM20003	IM40003
Power [kW]	2,2	4,0
Voltage [V]	3x400	3x400
Noise [dB(A)] - 1m	64	67
Volume flow [m³/h]	3400	6500
Pressure [Pa]	2500	3100
Weight [kg]	250	285

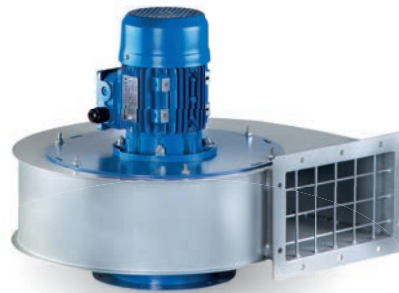
More information can be found on our website:

www.cleanairfactory.pl

Key features::

- High performance energy-efficient IE2 class motors
- rotors welded of galvanically protected steel with zinc coating
- Compact welded housing powder painted
- Using frame - as mobile fan
- Full adaptation to conditions including installation on a flange frame or on a mobile trolley

CleanAir ECO FLOW



- 500
- 1000
- 2000
- 4000
- 6000
- 8000



CleanAir Extraction Arms

Used as work station extracting vents. In mobile devices, standing versions with up to 3 meters range, while in large devices, hanging versions with up to 6-8 meters range with outriggers.

CleanAir SE-WO



- 4000
- 6000
- 8000

SE-WO is water pre-separator.

In the case of manufacturing processes, which produce sparks or more incandescent fractions that may ignite filter cartridges, it is reasonable to apply pre-separator before the filter.

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