



AIRBOX-Family

NEW GENERATION OF EXTRACTION SYSTEMS PROTECT
AGAINST DUST, WELDING FUMES, VIRUSES & ODOURS

AIRBOX-Family – energy-saving Multiplayer

Discover the AIRBOX-Family

ESTA has further developed the AIRBOX product family and now offers the compact, energy-saving extraction systems in **four versions**. In addition to welding fumes, the mobile filter devices are now also suitable for capturing and filtering airborne dusts, odours and even viruses and bacteria. The devices can now also be used as a compact room ventilation system for smaller production areas.

All versions of the AIRBOX product family have **EC fans** on board and therefore ensure **extremely quiet and, above all, energy-saving operation**.

The AIRBOX product range is easy on the wallet not only in terms of operating costs, but also in terms of their price – performance ratio. Thanks to their compact dimensions, the mobile devices can be placed flexibly in work areas. The integrated filter technology meets the very highest quality criteria and is designed for a long service life.



Ideal for

- Welding fume
- Soldering fume
- Pourable dusts
- Dry dust
- Particle-laden air
- Virus-infected aerosols
- Gaseous pollutants
- Unpleasant odours

AirBox

Mobile filter device for welding fumes & dust

As a mobile filter device for extracting welding fumes as well as free-flowing and dry dust, the AirBox enables users to deploy it flexibly at different workplaces in production. The extraction arm with a rotating and swivelling extraction hood offers a very high level of flexibility for at-source collection. The AirBox's integrated pre-separation system sorts out coarse particles in advance, thus ensuring a long service life for the main filter. The filter cartridge is equipped with high quality filter material of dust class "M". Its separation efficiency is 99.9 %. The cartridge can be changed easily and conveniently. The AirBox will also soon be available with the IFA test mark "W3" for extracting welding fumes when machining chrome-nickel steel.



Application range

- » Stand-alone extraction with at-source collection in industry and trade
- » Suitable for welding fumes, free-flowing and dry dusts

Special features

- » IFA test mark W3 for high-alloy steels (available soon)
- » Rotatable, flexible extraction arm for mounting on the device
- » A extraction hood with optimised flow technology and small size
- » Operating hours counter

Your benefits

- » At-source fumes and dust collection
- » Suitable for continuous operation
- » Compact and handy design
- » For use at different, changing workplaces
- » Simple and dust-free disposal of the collected material through a drawer
- » Dust class M filter cartridge
- » Quiet and energy-saving operation thanks to EC technology

ActiveBox

Reduces unpleasant odours

The ActiveBox is suitable for stand-alone extraction wherever process-related, unpleasant odours arise. Thanks to activated charcoal cartridges, the devices effectively reduce odour pollution in the workplace.

The additional G4 pre-filter also protects the activated charcoal cartridges (type A) from dusts and fumes. A flexible extraction arm with a flow-optimised hood is integrated into the "ActiveBox" filter device for at-source collection.



Application range

- » Stand-alone extraction with at-source collection in industry and trade
- » Suitable for gaseous environmental pollutants and to reduce unpleasant and/or process-related odours

Special features

- » Rotatable, flexible extraction arm for mounting on the device
- » Flow-optimised and patented extraction hood
- » Operating hours counter
- » G4 pre-filter for a longer service life of the activated charcoal cartridges

Your benefits

- » Efficient process air collection
- » Mobile use and suitable for continuous operation
- » Compact and handy design
- » Activated charcoal cartridges (type A) for good flow behaviour and handling of the activated charcoal
- » Quiet and energy-saving operation thanks to EC technology

TowerBox

Supplementary room ventilation system for smaller production areas

With the TowerBox, ESTA offers a **compact room ventilation system for welding fumes and airborne dusts**. The device ensures a noticeable improvement in air quality – especially in smaller work areas. The TowerBox can be placed flexibly and effectively complements existing at-source extraction systems. The air containing welding fumes is captured via the perforated pipe on the top of the room ventilation system and is directed to the dust class "M" filter cartridge, where it is filtered. The cleaned air is returned via an air grille outlet close to the floor (recirculation mode).



Application range

- » Room air extraction for welding fumes and airborne dusts in industry and trade
- » Supplementary solution to at-source extraction

Special features

- » Perforated tube on the top of the device for uncomplicated and optimal collection
- » Operating hours counter

Your benefits

- » Efficient fumes collection to improve room air quality
- » Mobile use and suitable for continuous operation
- » Compact and handy design, also suitable for use in confined areas
- » Simple and dust-free disposal of the collected material through a drawer
- » Dust class M Filter cartridge
- » Quiet and energy-saving operation thanks to EC technology

VirBox

Room air cleaner in times of COVID-19

Due to the permanent cleaning and movement of the ambient air, the VirBox can play an important role in the strategy to combat the coronavirus and ensure more safety for employees in the working environment, whether in industry, medicine, craft or trade. In addition to wearing masks and observing distancing rules, it is important to contain the dangers posed by viruses in enclosed rooms as much as possible.

The VirBox ensures a constant flow of air and, thanks to its high efficiency HEPA 14 filter, is able to **separate 99.995 percent of the viruses** bound in **aerosols**, so that the virus concentration in the ambient air at the workplace is reduced.

The VirBox room air filter device ensures the uncomplicated collection of both particle-laden air as well as virus-infected **aerosols** – i.e., tiny droplets by means of a perforated pipe at the top of the device. The extraction system works in recirculation mode. The cleaned air is returned to the work area via outlet grilles close to the floor, supplying employees with pure air to breathe. The circulating air filter system is therefore the ideal addition to a constant supply of fresh air in work rooms.



Application Range

- » Room air extraction in industry, manual skills and trade (i.e. bars, hotels, restaurants, doctors offices, fitness studios, work-shops etc.)
- » Permanent filtration of particle-laden air as well as virus-laden **aerosols** of indoor room air

Special Features

- » **UV-C lamp**
- » Sound insulation package
- » Multi-functional structure for advertising media, **white boards** or **chalkboards**

Your Benefits

- » Stepless adjustment of the air volume (from 118 to 765cfm)
- » Noise level in the range between 30 dB(A) and 53 dB(A)
- » Efficient ambient air capturing
- » Filter cartridge with classification H14 – suitable also for viruses and bacteria (absorption rate: 99,995 %)
- » Application suitable for mobile and continuous operation
- » Compact and practical design
- » Easy filter change
- » Quiet and energy efficient operation due to EC-Technology



By using the VirBox air purifier, the aerosols can be captured and filtered much closer to the point of origin. This is ensured by the perforated tube mounted on the top of the device, which sucks in the aerosols at exactly the height at which people expel them.

TableBox Air

For collection of welding fumes and dust

This mobile, compact extraction table with integrated filter system and fan for extracting welding fumes and dry, free-flowing dust particles has versatile uses for production workstations. The attached rear wall cladding ensures a very high level of dust collection across the table surface.

The TableBox-Air's integrated pre-separation system separates coarse particles in advance, thus promoting a long service life for the main filter. In addition, the pre-separation chamber can be filled with water in order to act as a fire protection measure in the event of flying sparks. The filter cartridge is equipped with high quality filter material with dust class "M".

The separation efficiency is 99.9 %. The cartridge is easy and convenient to change.



Areas of application

- » Single-place extraction in industry and trade
- » Suitable for welding fumes, free-flowing and dry dust

Special features

- » Stepless adjustment of the air volume flow
- » Operating hours counter

Your advantages

- » Mobile use and suitable for continuous operation
- » Compact and easy-to-handle design
- » A drawer enables simple and dust-free disposal of the collected material
- » Filter cartridge with dust class M
- » Quiet and energy-saving operation thanks to EC technology

Optional

- » Lighting
- » Exhaust silencer

TableBox Active

Reduces unpleasant odours

The TableBox Active is good for wherever process-related, unpleasant odours occur. The activated carbon cartridges enable the devices to effectively reduce odour pollution in the workplace. The additional G4 pre-filter also protects the activated carbon cartridges (type A) from smoke. The attached side wall cladding ensures a very high level of odour collection across the table surface. And, to top it off, the process air is filtered through the activated carbon (type A) and can be returned to the working chamber.



Areas of application

- » Single-place extraction in industry and trade
- » Suitable for gaseous environmental pollutants and for reducing annoying and/or process-related odours

Special features

- » Stepless adjustment of the air volume flow
- » A G4 pre-filter for longer service life of the activated carbon cartridges
- » Operating hours counter

Your advantages

- » Efficient process air collection
- » Mobile use and suitable for continuous operation
- » Compact and easy-to-handle design
- » Activated carbon cartridges (type A) for good flow dynamics and handling of the activated carbon
- » Quiet and energy-saving operation thanks to EC technology

Optional

- » Lighting
- » Exhaust silencer

Technical Data

		AirBox	TowerBox	VirBox	ActiveBox	TableBox Air	TableBox Active
Max. Airflow	m³/h	950	950	1,300	1,000	1,300	950
Intake diameter	mm	140	140	140	140	140	140
Voltage	V	230	230	230	230	230	230
Nominal frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60
Nominal current	A	2.2	2.2	2.2	2.2	2.2	2.2
Pre-fuse	A	16	16	16	16	16	16
Motor	kW	0.51	0.51	0.51	0.51	0.51	0.51
Filter surface	m²	13.57	13.57	14.6	1.21	13.57	1.2
Filter elements	Piece	3	3	1 (HEPA 14)	1 (G4 Prefilter)	3	1 (G4 Prefilter)
Volume of activated carbon	l	–	–	–	24	–	24
Active carbon cartridges	Piece	–	–	–	6	–	6
Dimensions (L/W/H)	mm	692 x 660 x 959 ¹⁾	692 x 660 x 959 ³⁾	692 x 660 x 959 ³⁾	692 x 660 x 960 ¹⁾	692 x 681 x 1,009	692 x 660 x 1,010
		2.262 x 660 x 1,976 ²⁾	692 x 660 x 1,973 ⁴⁾	692 x 660 x 1,973 ⁴⁾	2.223 x 660 x 1,910 ²⁾	–	–
Weight	kg (ca.)	100	100	100	100	110	105
Sound emission	dB(A)	68.5	53* (70.5)	30–53 ⁵⁾ * (70.5)	68	60.5* (69.9)	60* (68.5)
Order Number		555.03	555.04	555.05	555.06	555.07	555.08

¹⁾ Without extraction arm / ²⁾ With extraction arm / ³⁾ Without pipe / ⁴⁾ With pipe / ⁵⁾ Depending on setting / * With optional sound insulation package

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