

# SBC suction bench with fan and self-cleaning filters

- 📌 Sectors **Welding, Sanding, Grinding, Additive 3D printing,**  
**Powder blowing,**
- 📌 Applications: **Fix, Mobile**
- 📌 Issues **Fumes, Powders**

COD: SBC0000000000000



The **SBC suction bench** is available in 4 different sizes ranging from 1 to 3 meters. Designed to suck fumes and dust during professional operations that produce emissions dangerous for operators and the working environment as very volatile. This version is suitable for intensive use thanks to **cartridge filters with compressed air cleaning**, which ensure the restoration of maximum filtration efficiency at the end of the cycle and a long life in times.



## Detailed description

### Available versions

SBC - with polyester filters

SBCH - equipped with HEPA H13 filtration

SBCX - with antistatic polyester filters and ATEX motor

### Professional operation with pneumatically cleaned filters

Cartridge filtration with pneumatic cleaning, ensures the operation of the vacuum bench without the need to change filters often and provides 99% filtration efficiency even with the heaviest applications.

**The SBC suction bench is ready to use;** there is no need to connect it to external suction systems, fans or filters, nor to make complex electrical connections. The pneumatic connection includes a pressure gauge as standard, located on the front of the bench near the operator panel.

**The SBCH suction bench, on the other hand, is also equipped with HEPA H13 filters.**

### Some important facts about HEPA filtration:

The term HEPA filter (from High Efficiency Particulate Air filter) refers to a special high-efficiency filtration system for fluids (liquid or gas).

HEPA filters are part of the category of so-called "absolute filters" justified by the fact that HEPA filters have a high filtration efficiency. Specifically, HEPA filters are classified according to the filtration efficiency of 0.3 µm particles, according to the UNI EN 1822 standards. In fact, they are grouped into 5 classes (H10 to H14) with increasing performance characteristics.

They are tested by the method of dispersion of a dioctylphthalate aerosol (DOP test: the calculated efficiency is > 99.999 % with particles of 0.3 µm diameter (0.001% penetration).

### Main features of all SBC suction benches:

- Sturdy structure composed of modular panels made of thick press-bent galvanized sheet metal, bolted together, without welding, for long service life.
- Adjustable feet (or wheels on request)
- Centrifugal fan located inside the bench structure, in the clean area downstream of the filters, designed for the type of use required.
- Turning the ventilation on and off is controlled by an operator panel located on the front of the bench. Through the display it is possible to view the status of the filters and set filter cleaning parameters.
- On one side of the bench is the filtered air outlet with rectangular section. On request suction connection for connecting the bench to the centralized system or curve for reintroduction into the environment.
- The suction support and work surface is made of uniformly perforated reinforced structure, attached to side uprights outside the bench for optimal weight discharge \*
- The suction front wall is constructed of first-rate galvanized sheet metal of adequate thickness (upon request front in anti-rebound wire mesh to cushion any grinding chips).
- The two slag collection drawers are made of press-folded galvanized sheet metal, equipped with a practical handle for removal.
- The filter section of the SBCH bench consists of the latest generation of cartridge filters, made of polyester with 99% efficiency, equipped with pneumatic cleaning, suitable for the heaviest applications.
- Compressed air connection: the suction bench is equipped as standard with a pressure regulator with 3/8" connection. Terminal with 3/8" male is required for connection.

\* on request reinforced top for higher loads

Technical insight on suction benches with integrated filters.





If equipped with wheels for handling and silencer for exhaust air in the environment becomes a very flexible tool in production, **completely independent** without the need to connect a chimney for ejection into the atmosphere.



Operator panel positioned on front suction bench

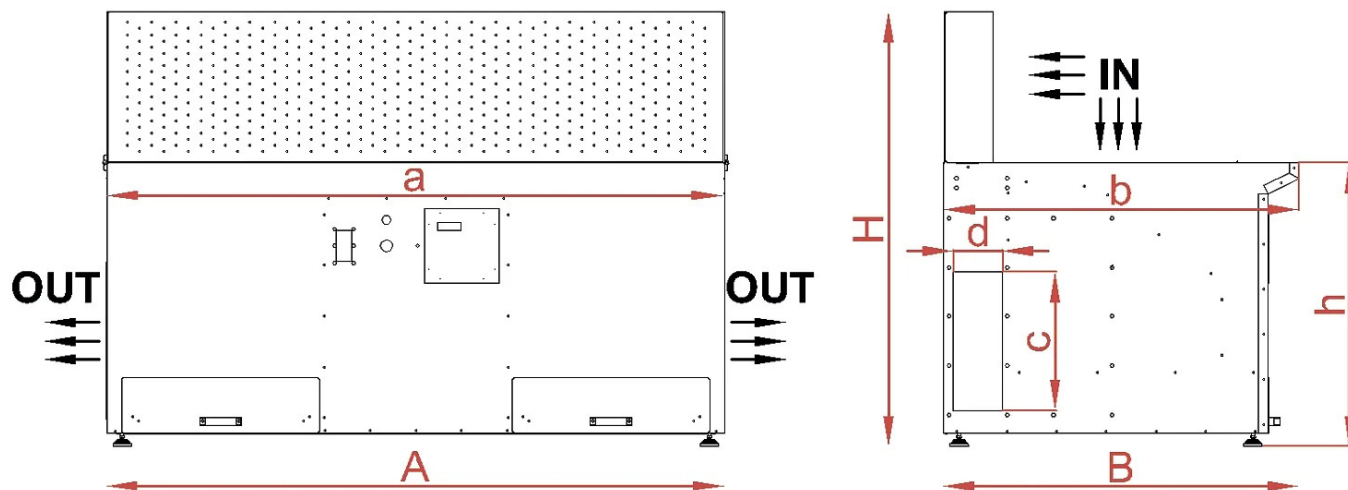


Example of grinding suction.

A series of internal baffles and standard metal mesh panels protect the cartridges from sparks while drastically reducing the risk of fire.



## Dimensions



Code	Drawer L	A mm	a mm	B mm	b mm	c mm	d mm	H mm	h mm	H1 mm
SBC100000000024	Frontal	1000	930	1100	950	450	160	1400	1000	2000
SBC10H0000000000	Frontal	1000	930	1100	950	450	160	1400	1000	2000
SBC10X0000000024	Frontal	1000	930	1100	950	450	160	1400	1000	2000
SBC150000000024	Frontal	1500	1430	1100	950	450	160	1400	1000	2000
SBC15H0000000000	Frontal	1500	1430	1100	950	450	160	1400	1000	2000
SBC15X0000000024	Frontal	1500	1430	1100	950	450	160	1400	1000	2000
SBC200000000024	Frontal	2000	1930	1100	950	610	500	1400	1000	2000
SBC20H0000000000	Frontal	2000	1930	1100	950	610	500	1400	1000	2000
SBC20X0000000024	Frontal	2000	1930	1100	950	610	500	1400	1000	2000
SBC300000000024	Frontal	2805	2740	1100	950	610	500	1400	1000	2000
SBC30H0000000000	Frontal	2805	2740	1100	950	610	500	1400	1000	2000
SBC30X0000000024	Frontal	2805	2740	1100	950	610	500	1400	1000	2000

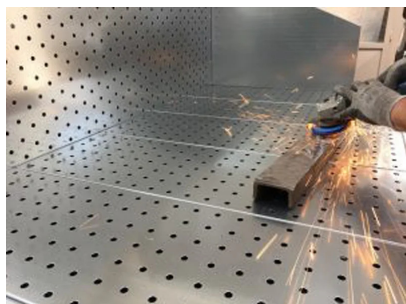


## Technical Data

Code	Maximum load kg / m <sup>2</sup>	Power kW	Nominal flow rate m <sup>3</sup> / h	Useful pressure Pa	Noise Db (A)	Filter surface area m <sup>2</sup>	Filtering efficiency %	Power supply V	Power supply Hz	Cartridges num.
SBC1000000000024	150	2.2	2500	600	73	20	> 99%	400	50	4
SBC10H0000000000	150	1.1	2500	600	73	20	> 99%	400	50	2
SBC10X0000000024	150	3	2500	600	73	20	> 99%	400	50	4
SBC1500000000024	150	2.2	3300	600	73	32	> 99%	400	50	4
SBC15H0000000000	150	1.5	3300	600	73	32	> 99%	400	50	2
SBC15X0000000024	150	3	3300	600	73	32	> 99%	400	50	4
SBC2000000000024	150	2.2	5000	600	78	40	> 99%	400	50	4
SBC20H0000000000	150	3	5000	600	78	40	> 99%	400	50	4
SBC20X0000000024	150	3	5000	600	73	40	> 99%	400	50	4
SBC3000000000024	150	2.2	6500	600	78	64	> 99%	400	50	4
SBC30H0000000000	150	3	6500	600	78	64	> 99%	400	50	4
SBC30X0000000024	150	3	6500	600	73	64	> 99%	400	50	4



## Photogallery



## Accessories



### Wheel kit for SB benches

KITRUOTESB00000

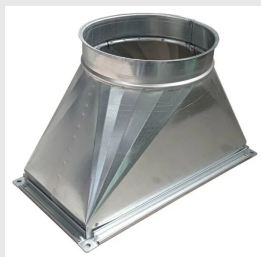
Transforms the SBV bench into a mobile workstation thanks to the wheel kit with brake.



### Vertical air outlet channel H1 mt suction desks

KITSCARICAMBSBT

Vertical air exhaust kit consisting of upward flanged side bend and mt 1 rectangular duct with top grille.



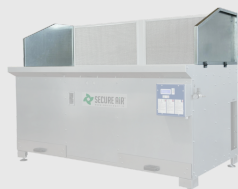
### Round flange for exhaust air adaptation on silent curve

FLTNASCURSB0000

Round flange constructed of high-quality galvanized sheet metal, to be attached to vertical silenced exhaust air outlet for connection to exhaust ducts.

Specify diameter when ordering.

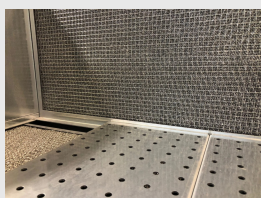
Suitable for suction benches model SBA, SBC, SBV, SBF



### Pair of non-suction side bulkheads for SB benches

PLSB000000000000

Pair of non-suction side plates compatible with all SB benches.



### Anti-sparking front wall for SBC benches

PARSB000000000000

Anti-rebound front wall for SBC benches, consisting of a suction metal mesh net placed on the front of the bench for operator protection from splinters and sparks from high-speed grinding.



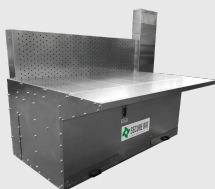




### Side and top casing for SB benches

CSUSB0000000000

Lateral and upper dust containment box, compatible with all SB series suction benches.



### Non-suction front extension for SB benches all

PFNASBT00000000

Non-suction front extension, made of sturdy galvanized steel compatible with all SECUREAIR® suction benches.



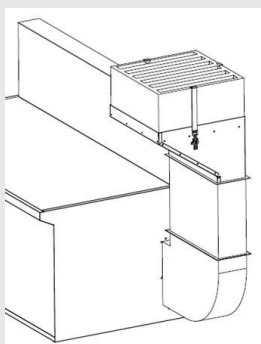
### Rectangular silencer on ejector for SBC / SBV

SILRETSBCV00000

Rectangular silencer applied on bench air exhaust, available in models 10 / 15 / 20 / 30



QPSB00000000000



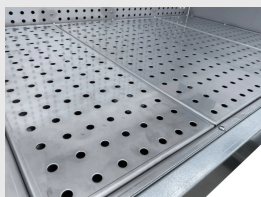
### Exhaust kit with integrated HEPA filter for SBV benches

KITSCASBCVHEPA0

Exhaust kit with integrated HEPA 13 filter compatible with SBV benches.







## Reinforced top for SBC suction benches

PIARINFSB000000

Reinforced top for suction benches model SBC20 and SBC30.

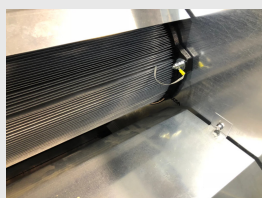


## Spare parts



### Polyester cartridge filter kit for SBC benches

Kit consisting of No. 2 to No. 4 original replacement polyester filter cartridges for SBC benches.



### Antistatic polyester cartridge filter kit for SBCX benches

Kit consisting of No. 2 to No. 4 original replacement filter cartridges made of antistatic polyester for SBC benches.



## Related products



### SBV suction bench with integrated fan and filters

SBV000000000000

The **SBV suction bench** is designed to protect the operator from fumes and volatile dust emitted by professional processes such as welding, deburring, sanding or grinding of metals in the metalworking industry, foundries and all sectors where surface treatments with dry abrasives are carried out. It is also used for cleaning workpieces or blowing parts with associated dust emission. **In this version the suction bench is ready to use**, no fans or external filters or electrical connections are needed because the on/off switch is already fitted with a three-phase plug.

The basic version of the bench, referring to the prices in the table below, is already supplied complete with suction table, on/off circuit breaker wired to the motor and adjustable feet.

**Accessories:** you can customise the bench according to your production requirements by choosing from the various accessories available at the bottom of the page, or by contacting one of our consultants who will advise you on how to configure the system, for example by adding the side partitions shown in the photo.



### FEB15 suction bench for post processing additive 3D

FEB150000000000

The **FEB suction bench** is to be used to vacuum dust generated during post-processing operations such as cleaning and blowing parts with compressed air, to prevent it from being breathed in by operators and polluting the work environment, as it is very volatile.



### SBA suction bench for centralised systems

SBA000000000000

The **SBA suction bench** is the ideal solution for vacuuming up fumes and dust and **working safely** when welding, deburring, sanding or grinding metals. In fact, the practical and sturdy suction bench top ensures **widespread suction on the work surface** and frontally, protecting the operator's respiratory tract.



### SBF suction bench with integrated filters

SBF000000000000

The **SBF suction bench** is to be used to suck in fumes and dust during welding, deburring, sanding or grinding operations on metals and in all areas where surface treatments with dry abrasives are carried out.

