



CBC-R MOBILE MICRO CLEANROOM ISO CLASS 5

The CBC-R Cabinet provides a mobile clean air zone for sensitive production processes. The CBC-R can easily be placed in any working area without any fixed installations.

Work area inside the cabinet has easy access and is protected by a unique air curtain to prevent dust and particles entering the cabinet.

CBC-R offers a system with economic performance, product protection class 5 and an excellent working environment for the operator.

ISO Class 5 air cleanliness within work zone as per SS-EN-ISO 14644-1.



For better workbench environment!



CLEAN BENCH CONCEPT

➤ Mobile and flexible system

CBC-R is fast and easily installed as no fixed installations are required. Place the cabinet directly on the workbench, connect it to a power source and the cabinet is ready to use within two minutes. You can position the mobile cleanroom where the actual need is, making the production layout more flexible.

➤ Low running costs

Due to the air curtain in front of the cabinet a small amount of air is consumed. This means that the system can be driven by silent and low energy blowers giving the filters a longer lifetime. The choice of low energy lighting tubes also helps to bring the running costs down.

➤ Economic performance

The flexibility of the system and the independence of fixed installations give a low investment cost. This together with the low running costs creates a very efficient and economic unit.



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➤ Shade less light

The lighting in CBC-R is placed right above the working surface and gives unique 4000 lux on the entire work surface. The operator is given illumination that does not dazzle and does not give any shadows. There is an option of a transparent back panel to increase the comfort further.

➤ Low sound level

The sound level of CBC-R is only 55 dB(A) in the operator zone. This means that the cabinet does not create a disturbance in a common work area.

➤ Ergonomic

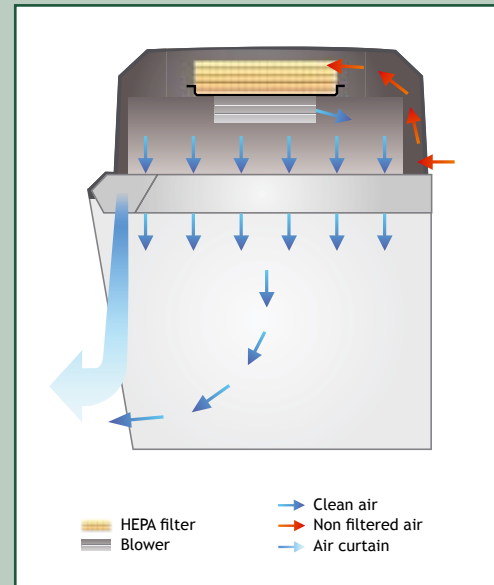
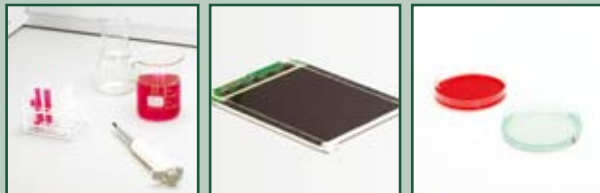
No front sash blocks the operators view as the air curtain serves as an invisible protection creating a clear, open work area with easy access.

➤ Security

ISO Class 5 air cleanliness within work zone as per SS-EN-ISO 14644-1, which means less than 100 particles $>0,5 \mu\text{m}/\text{ft}^3$. CBC-R is installed and verified by trained personnel and a test report is enclosed with each delivery.

CBC-R is suitable in the following work areas:

- Nano technology
 - Electronics
 - Laboratory work
 - DNA
 - Food processes
 - Precision weight measurement
 - Quality control
 - Packaging
 - Assembling particle/dust sensitive components
- Displays*
Optics
Hydraulic
Medical-technical equipment



The air is taken from the back of the cabinet and is filtered through a HEPA filter class 14 before entering the cabinet.

The cleanroom area is protected by a unique air curtain in front of the cabinet to prevent dust and particles entering the cabinet.

CBC-CLEAN BENCH CONCEPT

Technical data

Sound level, dB (A) at 1 m	< 55
Voltage	115 V, 60 Hz eller 230 V, 50 Hz
Power consumption, incl. lighting, W	300
Illumination, lux (fc)	4 000 (370)
Filtered air volume, m ³ /h (CFM)	300 (177)
Height, internally/externally, mm (in)	525/880 (20,7/34,6)
Width, internally/externally mm (in)	1120/1275 (44,1/50,2)
Depth, internally/externally mm (in)	600/760 (22,8/29,9)
Weight, kg (lb)	79 (174)

ISO Class 5 air cleanliness within work zone as per SS-EN-ISO 14644-1:
 ISO Class 5 @ 0,5 µm
 ISO Class 5 @ 5,0 µm.



Please visit our website
www.filtronic.se

Filtronic AB is striving to create a better workbench environment by developing and producing particle and gas filter systems of very high quality. The filter systems are easy to use and install, have a low noise level and a guaranteed function. Read more about us and our products at www.filtronic.se.



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