

Silentbox Duet Booths

From the company ERBI lab.

erbi
acoustic & design lab



Acoustic booths for private conversations. They allow to significantly reduce the overall noise in the open space office by isolating the sound inside the booth.

Enough soundproof space stimulates the exchange of ideas, helps to reduce noise levels, and increases staff concentration and productivity. Thanks to the compact size Silentbox booths are perfectly combined with each other and with existing furniture, also they are suitable for use in most office spaces.

Purpose:

co-working, negotiations, sound insulation,
design, efficiency.

Technologies in Silentbox booths



Sound insulation

The booth is created from acoustic materials and it insulates up to 55 dB of noise, effectively blocking sound waves of different frequencies and loudness. Sound insulation was designed based on the range of 150-500 Hz. These are the frequencies of human speech and monotonous office noise.



Echo

Thanks to the sound-absorbing materials inside the booth, the echo is effectively reduced, which creates a comfortable acoustic environment. We use 7 mm felt with a sound absorption coefficient of 0.6-0.8 (maximum degree is 1).



Ventilation

Air exchange of a quiet ventilator is up to 30 m³ per hour. Location and design of the ventilation channels eliminate air and carbon dioxide (CO₂) local stagnation. Since carbon dioxide accumulates at the bottom of the booth, it is important to effectively transport it out.

The booth has ventilators with magnetic centering system and magnetic field, which is situated in the bearings: the rotating axle is "suspended" in it and does not contact the fixed part in any way. It provides maximum reduction of both friction and noise and increases reliability.



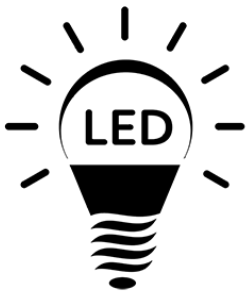
Ventilation design

Air enters the booth through special silencers, therefore preventing the sound waves from moving in and out.



Three-layer triplex instead of glass

In the booths we use safe three-layer triplex. Each layer has different thickness in order not to resonate at different sound frequencies.



LED lighting

The booth has LED lamp with a colour temperature of 3500-4500 K and a luminous flux of 450 lx. It is scientifically proven that certain parameters of room lighting affect its perception by a person. Therefore, the correct choice and location of light sources is very important for comfortable work and efficiency.



USB port and outlet

There is a outlet (220V) and a USB port (2.1A) inside the booth. It allows to connect all the necessary devices to the network.



Smart electronics

Silentbox knows when someone is inside. The booth automatically switches on and off the ventilation system and light. The ventilation works with intervals of 6-8 minutes.

Silentbox Duet can accommodate up to 4 people. A perfect place for business meetings, confidential one-on-one conversations, brainstorming sessions, and interviews. You will not disturb the office, and the noise of the office will not bother you.

Characteristics:

- The booth is made of high-strength metal structures.
- The walls are formed from specially designed panels made of soundproofing materials of different densities. **We do not use mineral wool.**
- The sofas are covered with furniture foam and acoustically transparent fabric.
- The floor consists of two parts of dense two-layer plywood covered with carpet.
- The outer layer consists of a galvanized sheet coated with powder enamel in a color of your choice.
- Silentbox Duet size (cm): 150x220, h=225;

Any colors in the RAL palette is available, as well as design in a company style.





Cost of the basic model:
9800 USD
Delivery time: 25 days



Complete set includes LED lighting, 220V socket and 2 USB, active ventilation, furniture to choose from (bar/coffee tables, sofas/bar stools)



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