

# AV Sanification – Design and manufacture of sanitisation devices

## AV OZONE SYSTEM BOX 3.0 (cod. AVBOX3.0)



### Technical data

- Structure: rigid in anti-corrosion painted iron
- Generator: closed cell (tube) aluminum/ceramic/stainless steel
- Ozone production capacity: 3 g / h
- Concentration at the point of delivery > 25 ppm
- Catalyst: MnO<sub>2</sub>-CuO
- PLC: on-board computer with 7 "touch-screen video
- Certification system: Report production
- Amount of data recorded in the Report: 10 parameters
- Data storage system: database creation
- Data export system: USB / network
- Selectable delivery intensity: n. 3 programs
- Noise: <40dB
- Power and voltage: 600W
- Operating voltage: 220V - 50Hz
- Operating temperature: 5 ~ 40C
- Dimensions: 60 x 60 x 170 cm
- Weight: 105 Kg

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## **AV OZONE BOX 3.0 (cod. AVBOX3.0)**

The AV Ozone Box 3.0 is a cabin for sanitisation and deodorisation in which it is possible to place different kinds of item such as clothing, shoes, pillows, blankets, strollers, helmets, masks, and more generally any other everyday item.

The box is also ideal for the treatment of professional equipment and clothing in the clinical and health sectors, such as equipment for radiological protection and medical devices.

The box is equipped with an Ozone generator with a 3 g/hr production capacity and uses the exclusive vacuum delivery technology. The internal compressor sucks the air in the box and then produces and feeds in the Ozone which is then sucked deep into the fibres, natural or synthetic, of the fabric products. Subsequently, after a stationary period necessary to allow the gas to react with the organic substances present, the machine extracts the residual Ozone and decomposes it through a special catalytic filter based on Manganese dioxide and Copper oxide.

Since Ozone is a dry gas that does not dampen and does not stain the fabrics of which the objects and clothing are made, it is a particularly effective and convenient tool to sanitise and deodorise in-depth, and in just a few minutes, every item with which we come into close contact on a daily basis, guaranteeing a very high level of safety and an effective protection against viruses, bacteria, fungi, moulds, mites and other potentially pathogenic organic agents that naturally reside in such items, causing allergies, intolerances, eczema and skin outbreaks, bad smells etc.

The control software has two levels of access (administrator/operator) to distinguish responsibilities and provides password authentication. This allows you to identify the operator who performs the treatments, as well as the date and time of all the activities. By means of an optical barcode reading device and a manual description entry system included in the control software, the system is able to identify the individual objects that are introduced inside the box, so as to issue automatic reports of each sanitisation activity, allowing it to officially certify the date, time, operator name, number and identification code/description of the objects treated, etc. The device is also equipped with integrated Ozone, Relative Humidity and Temperature sensors. The certified report generated by the machine therefore also contains all the environmental parameters required by the Italian Istituto Superiore di Sanità [Higher Health Institute] for a sanitation protocol to be certified by Public or Scientific Bodies.

The reports produced can be printed at the end of each treatment using a thermal printer integrated into the device.

The cabin is equipped with convenient removable shelves and a clothes hanger bar, allowing it to easily adapt to the size and shape of the objects.