

AV Sanification – Design and manufacture of sanitisation devices

AV OZONE SYSTEM 2.0 4M (cod. AVOS2.04M)



Technical data

Structure: rigid in anti-corrosion fiberglass

Generator: closed cell (tube) aluminum/ceramic/stainless steel

Ozone production capacity: 12 g / h

Concentration at the dispensing point: > 50 ppm

Functions: environmental sanitation and vacuum sanitization of furnishings, equipment and furnishings

Outlet channels for vacuum sanitization: n. 4

Catalyst for vacuum function: MnO₂-CuO

Standard bags equipment: n. 4 singles - n. 2 doubles

PLC: on-board computer with 7" touch-screen video

Certification system: Report production

Amount of data recorded in the Report: 7 parameters

Data storage system: database creation

Data export system: USB / network

Selectable delivery intensity: n. 3 programs

Possibility of programming: up to 4 cycles deferred over time

Pre-programmed quick start keys: 10

Noise: <40dB

Power and voltage: 800W

Operating voltage: 220V - 50Hz

Operating temperature: 5 ~ 40C

Dimensions: 44 x 49 x 90 cm

Weight: 33 Kg

AV Sanification – Design and manufacture of sanitisation devices

AV OZONE SYSTEM 2.0 4M (cod. AVOS2.04M)

Professional Ozone generators with corona discharge technology with closed cell (tube) generator with a nominal production capacity of 6 g/hr for the sanitisation and deodorisation of environments and furnishings, fittings and equipment by means of an exclusive vacuum treatment technology using specially designed and supplied bags.

The device is equipped with four delivery channels controlled by solenoid valves for the single or simultaneous treatment of furnishings and fittings (e.g. mattresses, cushions, sofas, armchairs, etc.) and miscellaneous items of different sizes. The objects or furnishings to be sanitised are placed inside special PVC bags in which the machine extracts the air and creates the vacuum. At the end of the first phase, the machine produces and introduces the Ozone into the bag which is then sucked deep into the fibers. Subsequently, after a stationary period necessary to allow the Ozone to react with the organic substances present, the machine extracts the Ozone and decomposes it through a special catalytic filter based on Manganese dioxide and Copper oxide. The amount of Ozone and the duration of treatment are managed directly by the software. At the end of the treatment, the treated furnishings and items can be used immediately. The special PVC bags and the vacuum treatment system prevent accidental spillage of Ozone into the external environment. In this way, the sanitisation of furnishings and items can take place in environments where other people are present (e.g. sanitisation of a mattress in a hospital ward with other patients).

The machine can also be used for sanitising environments. The built-in computer allows you to programme the delivery time according to the size of the room and to provide detailed reports on the activities carried out. The software is programmable to interface with other applications. The control system has different levels of access, differentiating between the administrator and operator functions and provides detailed reports on the activities carried out (date, operator code, premises sanitised, delivery time, etc.), automatically creating a certified database that can be exported to other devices through an external USB memory device.

The main features of the device are:

- ✓ 4 separate delivery channels for single or simultaneous use
- ✓ 7" programmable display with touch-screen for setting the most appropriate sanitisation cycle according to the items or environments to be treated (duration and precise amount of Ozone);
- ✓ system for recording data relating to sanitisations carried out with the creation of detailed reports and exportable report database
- ✓ 10 pre-set and programmable cycles based on standard sizes for quick launch of sanitisation activities
- ✓ 3 settings choices (low – medium – high) to choose the optimal ozone concentration (in PPM) to be reached in the environments
- ✓ Possibility of associating the device with numerous accessories, including: optical reader to detect the treated objects by means of bar codes, integrated printer to print a paper ticket with the report of the sanitisation carried out, etc.