

Large-Scale Decontamination Device

VAPCAT

Portable Biodecontamination Device through Hydrogen Peroxide Vaporisation.



1st WINNER OF THE 2022
SECURITY INNOVATION

AWARD
EU DG-HOME



Technical characteristics

VAHPEROX Decontamination Unit

- Ultra-fast nano-mechanical vaporisation
- Production 35 g/min H_2O_2
- Total flow rate 0,05 L/min
- Power: 1436 W
- Power supply 220-240 V - 50 Hz
- Temperature range: 3°C - 45°C
- Weight: 66 kg
- Dimensions: 500 x 870 x 1027 (mm)

AIRCAT Catalytic aeration unit

- Catalizador Pt nanoestructurado
- Optional: nanostructured CeO_2 / MnO_2 microparticles with Pt coating.
- Treated air flow 2000 m³/h
- Catalytic efficiency H_2O_2 > 95 %
- Power supply 220-240 V - 50 Hz
- Temperature range: 3°C - 45°C
- Weight: 45 kg
- Dimensions: 1150 x 500 x 500 (mm)

Process Monitoring Unit

- H_2O_2 sensor 0 - 1000 ppm
- Relative Humidity 0 - 100 %
- Temperature 18 - 40 °C

Counterfog® Technology provides an efficient, time-controlled and controlled production of condensate-free H_2O_2 vapour.

- Remote control options
- Safe & secure communication
- Concentration control option
- Cycle programming



**FIRST CERTIFIED
TECHNOLOGY TO REMOVE
COVID-19 FROM THE AIR
(CERTIFIED BY CSIC)**



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