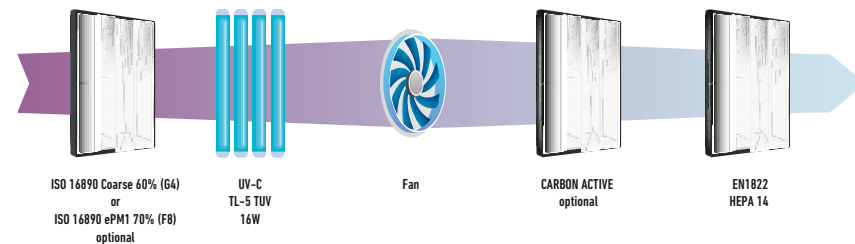


How it works

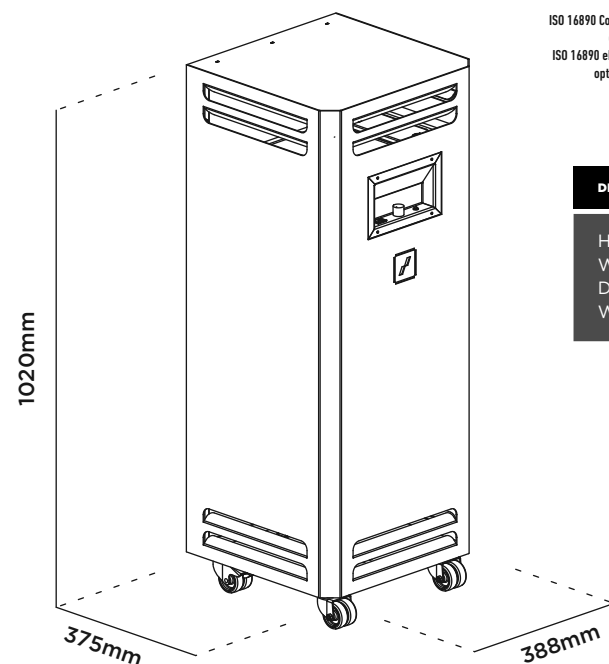


DIMENSIONS		FILTERING CLASS
Height:	1020 mm	ISO 16890 Coarse 60%
Width:	388 mm	EN1822 H14
Depth:	375 mm	ISO 16890 ePM1 70%
Wheight:	30 kg	Organic vapors carbon active cassette



ISO 16890 Group classification

ISO ePM1 : ePM1 min ≥ 50% (viruses, nanoparticles, exhaust gasses)
ISO ePM2,5 : ePM2,5 min ≥ 50% (bacteria, fungal and mold spores, pollen, toner dust)
ISO ePM10 : ePM10 ≥ 50% (pollen, desert dust)
ISO Coarse : ePM10 ≤ 50% (sand, hair)



Features UV-C Lamps

Model	TL TUV 5 de 16W
Quantity	4 units
Life Cicles	11 000 hours

Filters Specs

ISO 16890 Coarse 60% - 305x305x48mm
EN1822 H14 - 305x305x150mm
ISO 16890 ePM1 70% - 305x305x48mm
Organic vapors carbon active cassette - 305x305x48mm

Electrical Requirements

Single-phase
Machine power supply plug: CEE 7/7 - 2 meters of cable
Installation power socket: Type F Socket
Main machine circuit protection: Differential 2P, 25A, 30mA
Machine power consumption: 260 Watts - 230 V AC - 50Hz

Recommended environment

Temperature: 20° C to 30° C;
Humidity: 40 to 60% Rh (without condensation);
Surrounding space must be well ventilated;
Suspended dust level should be equivalent to that of an office

Optionals

Filter Organic vapors in carbon active cassette - 305x305x48mm (Optional)
Filtro ISO 16890 ePM1 70% - 305x305x48mm (As an option to the ISO 16890 Coarse 60% filter)

PURE LITE

SIGGRAPHIC
DET SMARTA VALET



**Air sterilizer
and purificator,
with pre-filter,
UV-C lamps and
HEPA filter**



**5 YEARS
WARRANTY**

RECOMMENDED USES

Schools / Kindergartens / Offices
Restaurants / Stores / Supermarkets
Hospitals and Clinics / Gyms / Hotels
Laboratories / Homes / Housing



High performance sterilizer and purifier by combined action of UV-C and HEPA

PURE LITE is an air purifier and sterilizer, which effectively reduces suspended matter and aerosol clouds, up to 0.3 microns, in the surrounding environment. Simultaneously PURE LITE sterilizes air using UV-C type germicidal lamps.

According to laboratory tests UV-C light not only effectively inactivates many viruses and germs on the irradiated surfaces but also 99% of the SARS-CoV-2 virus.



tested by  driving science & innovation

AIR FLOW	Noise at 1m distance
30%	46 dB
50%	51 dB
100%	67 dB




MAX AIR FLOW
988m³/h

Noise reference table

Sound Level (dB)	Example
140 dB	Fireworks
130 dB	Jet engine
120 dB	Police siren
110 dB	Volume of a Rock concert
100 dB	Train passage at the station
90 dB	Airplane passage at 5km height
80 dB	Bus ride
70 dB	Car Passage
60 dB	Busy office
50 dB	Normal conversation
40 dB	Silent Conversation
30 dB	Library
20 dB	Whispering
10 dB	Almost inaudible
0 dB	Hearing threshold

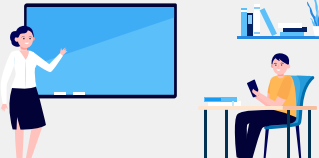
UV-C technology deactivates 99.9% of bacteria and viruses



The UV-C (germicide) lamps used in our air disinfection unit provide a constant UV emission throughout their entire lifetime, thus ensuring maximum safety in disinfection and a high efficiency of the entire system.

Shortwave UV radiation with peak at 253.7 nm (UVC) for disinfection.

The lamp glass filters out the 185nm ozone forming radiation.

USAGE AREAS IN sqm	Examples of space type	Ceiling height	Air renovations per hour		
			2	4	6
	Residences	2.20m	225 m2	113 m2	75 m2
	Residences / Commercial spaces	2.40m	206 m2	104 m2	68 m2
	Offices / Commercial spaces	2.70m	183 m2	91 m2	61 m2
	Classroom / Commercial spaces	3.20m	154 m2	78 m2	52 m2

HEPA Removes 99.97% of the 0.3µm particle size

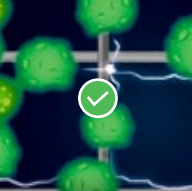
The filter collects dust effectively through electrostatic forces.

Compared to non-electrostatic HEPA filters, which collect the particles only through the fineness of the mesh, this filter is not so prone to become clogged.

As such, it allows the passage of a greater amount of air.

The filter can purify a larger amount of air!

Electrostatic HEPA FILTER




Removes 99.97% of the fine particles from 0.3µm.

The filter fiber itself is charged with static electricity and collects the particles effectively.

VS

Non-electrostatic FILTER



Since the collection of the particles is based exclusively on the size of the net, it is necessary to make the net thinner, which facilitates its obstruction and causes a high loss of pressure.

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