

# CONTINUOUS AIR DISINFECTION DEVICES FOR INDOOR SPACES



# PURE



OZONE  
FREE



*we care for every breath you take*



The company **"Pure Equipment IKE"** is the exclusive supplier of all the types of **"PURE" devices** which are being designed and manufactured by the long-standing Greek company **"YDROSIKTIKI PAPATHANASIOU S.A."**, which for the last 50 years has had a leading role in the production of professional hotel and catering equipment.

After a long period of designing and testing, **"PURE EQUIPMENT IKE"** proudly presents the innovative **"PURE" indoor CONTINUOUS air disinfection devices (iCadd)** that are being manufactured from A to Z in Greece.

Utilizing ultraviolet radiation UV-C (253,7 nm) the **"PURE" iCadd** can not only neutralise up to 99,9% of all known airborne bacteria and viruses, the growth of fungi, unpleasant odours, allergenic substances and volatile organic compounds, but also minimise the spread of viral and bacterial infections without the use of chemical substances, biological filters or any other already existing methods.

**"PURE" (iCadd)** utilize **Ultraviolet Germicidal Irradiation (UVGI)**, which is a disinfection method that uses short-wavelength (253,7 nm) ultraviolet C (or UV-C) light to kill or inactivate microorganisms by destroying nucleic acids and disrupting their RNA, leaving them unable to perform vital cellular functions. It is an invaluable, extremely effective, low-cost and eco-friendly method for sterilizing objects and disinfecting indoor air.

Global Organizations such as the FDA, WHO, CDC, ASRHAE, HPA have integrated UVGI technology into their Health and Safety protocols.

Recent certified laboratory studies have verified that **SARS-CoV-2 (COVID-19)**, even at high viral titers, **can be inactivated rapidly by UV-C irradiation**, revealing that this method is reliable for disinfection purposes in health care facilities and all kinds of indoor spaces.

In **"PURE" iCadd** the UV-C radiation and disinfection of the air **takes place inside a closed chamber**, deep inside the devices, without any leak of radiation to the environment. This procedure, based on the continuous air recirculation through the devices, guarantees an absolutely **SAFE** and **TOTAL** disinfection of the air of any indoor space. **"PURE" devices** have been certified for **no radiation leakage** by the Greek National Center of Certification and Laboratory Tests (**EVETAM/MIRTEC**).

The most recent laboratory verification for microbial decontamination (effective date 11/9/2020) by **QUALITECH LABORATORIES** has resulted to a higher than 70% rate of microbial decontamination (DISINFECTION) in an office space of 100 m<sup>2</sup>, after the use of the device PURE 100/PRO for only 45 min.

**"PURE" iCadd do not generate ozone.** The UV-C lamps (PHILIPS, OSRAM or LEDVANCE) used in the **"PURE" iCadd** are **OZONE-FREE** certified, with doped quartz glass which blocks the ozone-forming radiation.

All **"PURE" iCadd** bare a **high-grade activated carbon filter** which absorbs and neutralizes all toxic gaseous pollutants from chemicals, cigarette smoke, smog, fog, odors from cooking, from pets etc.

The application of **"PURE" iCadd** can be considered as an ideal tool for diminishing the risk of transfection in all health controlled environments and a necessary addition to all the procedures concerning the control of the microbial content in the air of residencies, offices, restaurants, hotels, hospitals, schools, nursing homes etc. As a result to this, they can be included in the RISK MANAGEMENT of related quality standards of the air of indoor spaces.

Choose the PURE iCadd that covers your needs.



# OFFICE



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**Ideal for places fitted  
with suspended ceilings**



## OFFICE

COVERAGE m <sup>2</sup>	AIR RECIRCULATION m <sup>3</sup> /h	DIMENSIONS (LxWxH cm)	VOLTAGE (V/Hz)	POWER (W)	WEIGHT (Kg)
50	130	59,5x59,5x14,5	220/50-60	70	11,5

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UV-C LAMPS (253,7 nm)



10.000 HOURS LAMP LIFESPAN



KILLS GERMS, VIRUSES, FUNGI, BACTERIA



TOTALLY SAFE



IDEAL FOR PEOPLE WITH ALLERGIES & ASTHMA



DEODORIZING



WARRANTY LAMP: 1 YEAR MECHANICAL PARTS: 3 YEARS



SILENT OPERATION

## INFORMATION

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