



## DESI LITE 15

UVC air sterilizer

[www.hs-solutions.eu](http://www.hs-solutions.eu)



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Desi is a tunnel air sterilizer that works similarly to air purifiers. **It filters air in the room and sterilizes it inside a secure enclosure with UVC lamps.**



### Desi eliminates coronaviruses from the air

WHO as well as Główny Inspektor Sanitarny (polish main sanitary inspectorate) recommend use of UV rays to fight the coronavirus. IUVA reports, that UV light, particularly between 200 and 280 nm, destroys at least two other coronaviruses, which are closely related to COVID-19 virus. Additionally IUVA informs, that all bacteria and viruses researched to this day (including other coronaviruses) react to UV disinfection.

### How Desi works?

Desi is a tunnel air sterilizer that works similarly to air purifiers. It filters air in the room and sterilizes it inside a secure enclosure with UVC lamps.

### Desi is safe

Desi is a fully safe device. The UVC light has been sealed in an impermeable enclosure and as a result people and animals can stay in a room being purified without any obstacles. Our product has an automated mechanism that disconnects the lamp whenever the enclosure is opened.

PRODUCT  
SPECIFICATION**Device power:** 38 V**Filter type:** Adsorption filter with active carbon, Basic PET filter**Principle of clearance:** Adsorption, Mechanical filtration, UVC disinfection**Lamp power:** 1x15,9 V**UVC lamp type:** Phillips 15W/G15T8**Lamp service life:** 9000h (1000 włączeń)**Radiation:** 200-280 nm UV-C**Safeguards:** Disconnection of the UVC lamp at the enclosure opening**Clearance capacity:** 122 m3/h**Recommended area:** up to 15 m2**Noise intensity:** 37 dBa**Product dimensions** 25 x 25 x 68 cm**Cable:** 2,5 m**Weight:** 10 kg**Certification:** Certificate CE**The set:** Flow air sterilizer, 1x UVC lamp, filter set, user manual**Colour:** White + Silver, **Housing material:** Steel + Aluminum

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## WHAT IS A UVC RADIATION?

Based on effects of ultraviolet radiation on living organisms the following types of UV rays can be distinguished: UVA – wave length between 315 and 380 nm, UVB – 280-315 nm, UVC – 100-280 nm. UVA and UVB radiation reaches us and is responsible for aging of our skin. It can be countered with a good sunscreen. UVC radiation, on the other hand, is dangerous for human skin and eyes. It has strong bactericidal and virucidal properties. We are protected against it by the ozone layer surrounding the earth.

02

## IS THIS A PROVEN WAY OF FIGHTING BACTERIA AND VIRUSES?

For more than 40 years ultraviolet radiation has been successfully used for disinfection of air, drinking water, sewage and surfaces. So far this primary method of sterilization against the whole host of human pathogens has been used on the daily basis mainly in hospitals, pharmaceutical factories and offices. In the recent months a need arose to implement this solution also in other public spaces in order to increase the safety of their use.

03

## DESI USE CASES

Desi was created for sterilizing air wherever a large number of people pass by, e.g. in offices, waiting rooms, at hairdressers or in medical facilities and even kindergartens. It can also be used at home. Recommended area up to 15 m2.

**DESI 15 | 30 | 45 | 60**[www.hs-solutions.eu](http://www.hs-solutions.eu)**DESI LITE 15**

It will work great in small rooms, such as therapy offices, workshops or all kinds of small offices. It will also meet expectations in bedrooms and small apartments. It is the quietest and the most discreet product in the entire Desi family.

**PRODUCT DIMENSIONS:** 25 x 25 x 68 cm

**RECOMMENDED AREA:** 15 m<sup>2</sup>

**DESI PRO 45**

Desi Pro 45 is an irreplaceable sterilizer in the hospital or school corridor and in a small shop. It is a perfect solution for offices and conference rooms. With this powerful device your customers will feel safe and your employees will be grateful for safe work environment.

**PRODUCT DIMENSIONS:** 25 x 25 x 75 cm

**RECOMMENDED AREA:** 45 m<sup>2</sup>

**DESI LITE 30**

Desi Lite 30 will be a perfect choice, if you run a dentist's office, a small shop, a hairdresser or a café. You can count on it if you need to sterilize air in a waiting room or in a playroom in a kindergarten. It will even clean a large living room in your home.

**PRODUCT DIMENSIONS:** 25 x 25 x 68 cm

**RECOMMENDED AREA:** 30 m<sup>2</sup>

**DESI PRO 60**

Desi Pro 60 is the most powerful device from the entire Desi family. This sterilizer will cope with larger rooms, shops and open space offices. It will also help you take care of the safety of your loved ones by sterilizing the air in your apartment.

**PRODUCT DIMENSIONS:** 25 x 25 x 75 cm

**RECOMMENDED AREA:** 60 m<sup>2</sup>