LINDHAUS®
QUALITY CLEANING EQUIPMENT

HEALTHCARE LINE

AIR PURIFIER
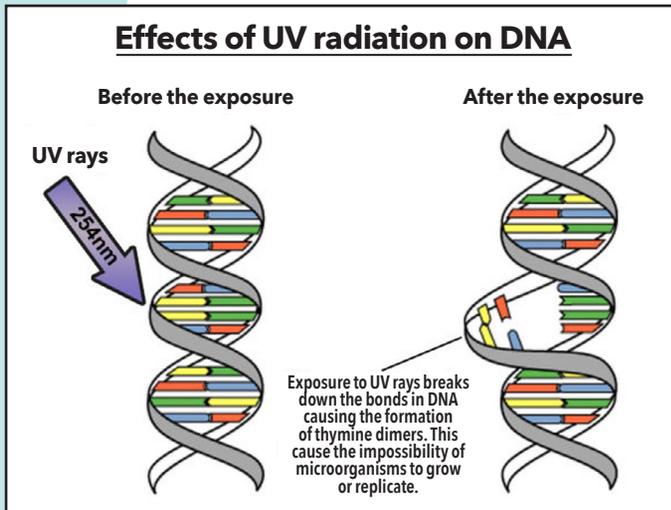
DepurAir

NEW!

battery

electric

ALWAYS TWO STEPS AHEAD

Effects of UV radiation on DNA

Before the exposure

After the exposure

UV rays

254nm

Exposure to UV rays breaks down the bonds in DNA causing the formation of thymine dimers. This cause the impossibility of microorganisms to grow or replicate.

Germicidal ultraviolet radiation uses ultraviolet (UV) light at the **UV-C** wavelength, approximately 254 nm, to modify the **DNA** or **RNA** of microorganisms (viruses, bacteria, fungi, mites) preventing them from reproducing thus being harmful.

In vitro studies have shown that **UV-C** light is able to inactivate **99.99%** of the flu virus in aerosol and **99%** of the N1H1 flu. Other studies have confirmed the germicidal action of **UV-C** rays on pathogens of the Coronavirus family (SARS-HERS). (National Health Service, report no. 25/2020).

Various bodies and organizations of global importance, such as **OMS**, **EPA**, **CDC**, **ASHRAE**, recommend the use of **UV-C** rays for the disinfection of water, air and surfaces.

UV-C technology is safe and eco-friendly since it does not release waste to be disposed in the environment.

With its **DepurAir** Lindhaus has made the most of all the functions of **UV-C** rays, increasing them:

- Thanks to a 2.5 pm laser particle analyser, **DepurAir** automatically adjusts to the most suitable speed to purify the air in the shortest time based on the quantity of micro-dust detected.
- Inside, the germicidal ultraviolet action takes place in a reflective flow tube with **3 UV-C LED lights**.
- The air, already purified, before returning to the environment, passes through a **HEPA filter H13** impregnated with a germicidal substance that guarantees a filtering efficiency of **99.97%** at 0.3 µm.

STRENGTHS

It filters **190 m³ of air** (= about 70 m² room) per hour.

46/49 decibels: very silent.

LCD display with programming:
- power on
- automatic running
- 4 speeds: night, V2, V3, V4

Depur Air automatically adjusts based on the quantity of detected micro dust.
The air is released into the environment after passing through the **H13 HEPA** filter.
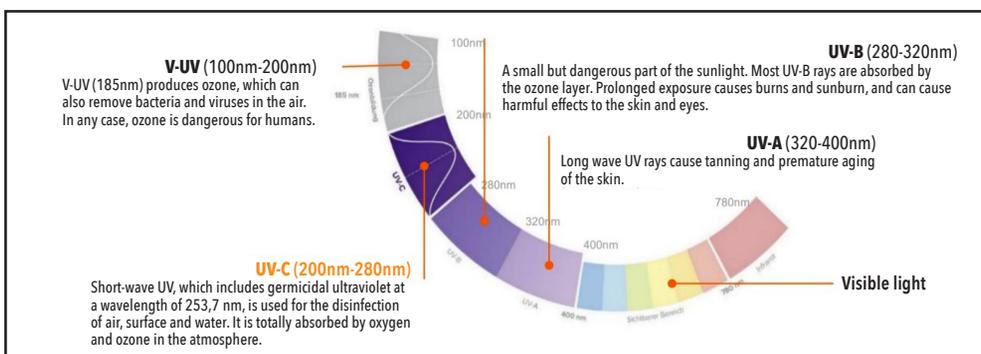
100% stainless steel housing.

Designed to be used in environments, such as: hotels, restaurants, clinics, shops, offices, car showrooms, hairdressers, wellness centers etc.

Depur Air battery

Depur Air battery purifier has the same characteristics of **Depur Air electric** but in addition:

- **it is more compact**
- **it is easily transportable**
- **unique lithium ion purifier (optional)**
- **24V input to be powered in buses and other means of transport**

V-UV (100nm-200nm)
V-UV (185nm) produces ozone, which can also remove bacteria and viruses in the air. In any case, ozone is dangerous for humans.

UV-B (280-320nm)
A small but dangerous part of the sunlight. Most UV-B rays are absorbed by the ozone layer. Prolonged exposure causes burns and sunburn, and can cause harmful effects to the skin and eyes.

UV-A (320-400nm)
Long wave UV rays cause tanning and premature aging of the skin.

UV-C (200nm-280nm)
Short-wave UV, which includes germicidal ultraviolet at a wavelength of 253,7 nm, is used for the disinfection of air, surface and water. It is totally absorbed by oxygen and ozone in the atmosphere.

Visible light

SURGERIES

OFFICES

HAIRDRESSERS

WELLNESS CENTERS

TECHNICAL SPECIFICATIONS	DepurAir *electric*	DepurAir *battery*
Working capacity max (m³/h)	190	190
Laser particles analyzer PM2.5	Standard	Optional
Environment micro dust particles indication	Standard	Optional
LED UV-C lights (n.)	3	3
Sterilization level UV-C	99.9%	99.9%
Hepa filter H13 filtration efficiency 99.97% at 0.3 mµ	Standard	Standard
Environmets sanitation time m²/h (sq.ft/h)	70 (753.5)	70 (753.5)
Voltage/Frequency (V/Hz)	220-240/50-60	24DC, Batt. 18V
Input power max (W)	20	20
Working time with cable at max power (h)	24/24	24/24
Noise level min. max db(A)	46 - 49	46 - 49
Li-ion battery 18V-5Ah	-	Optional
Battery charger V.100-240/50-60 - 21V DC – 4A	-	Optional
Working time with battery (h)	-	6
Battery recharging time (min.)	-	90
LCD display	Standard	Standard
Discharge battery indication	-	Standard
Hepa filter replacement indication	Standard	Standard
UV-C replacement indication	Standard	Standard
100% stainless steel housing	Standard	Standard
ABS fire retardant V0 parts	Standard	Standard
Weight Kg (lb)	11.2 (24.7)	8.6 (19)
Dimensions mm (in)	290x180x750 H (11.4x7.1x29.5 H)	290x180x380 H (11.4x7.1x15 H)

CE   CB Report by Ⓝ Nemko

DEALER STAMP

The company Lindhaus srl reserves its right to make any modifications without any prior notice.