

ASEPTOR

BASIC



UV-C AIR FLOW STERILISATION

extremely effective

whisper quiet

completely safe

UV **ULTRAVIOLET**

ABOUT ULTRA-VIOL



ULTRA-VIOL is an experienced manufacturer and supplier of medical equipment. The company was founded in 1993. Ultraviol's appliances work in every prestigious clinic and hospital both in Poland and Worldwide.

ULTRA-VIOL company meets the highest requirements set for producers of medical equipment. The enterprise obtained the certificate of compliance for quality management system ISO 13485 issued by TÜV Nord Poland sp. z o.o.

Both NBV and NBVE series of germicidal UV-C lamps produced by ULTRA-VIOL, have been used to fight the world COVID-19 pandemic by thousands of medical units, beauty salons, hospitals and healthcare facilities.



EFFECTIVENESS AND PROFESSIONALISM



ARAB HEALTH 2019 - DUBAJ



MEDICA 2019 - MESSE DÜSSELDORF



POLAGRA 2019 - MTP POZNAN



SALMED 2018 - MTP POZNAN



WHAT IS UV-C RADIATION?

Ultraviolet (UV) radiation is classified as electromagnetic radiation, similarly to X-rays, radio waves and visible light. For practical purposes of the UV spectrum it has been divided into three types:

- UV-A long wave band radiation 400 nm - 315 nm
- UV-B medium wave band radiation 315 nm - 280 nm
- UV-C shortwave band radiation 280 nm - 100 nm

UV-A radiation naturally reaches the Earth along with the sunlight. It deeply penetrates the dermis due to its long wave. UV-A causes the so-called immediate tan, visible after a short time of tanning. The immediate tan lasts only for a few hours.

The radiation from the UV-B group is mainly used in medical therapy. It produces provitamin D. The UV-B radiation is responsible for creation of the so-called delayed tan that lasts much longer. It causes skin pigmentation and erythema effect (burned skin).

UV-C radiation type has a strong germicidal effect. This kind of radiation causes numerous skin burns (erythema effect), as well as conjunctivitis. It does not reach the Earth's surface as it is absorbed by the ozone layer in the atmosphere.

UV-C radiation irreversibly deactivates all viruses, bacteria, fungi and microorganisms. This effect is scientifically proven by numerous researches.

HOW DO GERMICIDAL FLOW LAMPS WORK?



UV-C germicidal flow lamp

- safe for people
- deadly for viruses

Germicidal effectiveness of UV-C radiation

Microorganisms exposed to UV-C radiation are quickly deactivated. This phenomenon is called germicidal effect. As a result of numerous scientific researches it is scientifically proven statement, that the strongest biocidal effect occurs in the range of 250-270 nm radiation wave. The mechanism is based on the influence on the DNA of the microorganism's cell nuclei by a photochemical reaction which is triggered by photons absorption by the nucleic acids of cells.

UV-C radiation is a shortwave one, therefore it is also high-energy radiation.

The energy of the photons absorbed by the nucleic acids causes disruption of DNA molecular bonds and creates pyrimidine dimers. UV-C radiation inactivates DNA and RNA of microorganisms.



* the device contains patented, original technical solutions.



We are the pioneers in cooperation with Prof. Waclaw Dabrowski Institute of Agriculture and Food Biotechnology – State Research Institute in terms of exploring the effectiveness of our UV-C lamps.

ASEPTOR BASIC 236



ASB 236 M C
ASEPTOR Basic
236 mobile version
with advanced
working-time LED
counter, powder-
coating finish



ASB 236 W C INOX
ASEPTOR Basic 236 wall-mounted version with
advanced appliance working-time LED counter, INOX
finish.



ASEPTOR BASIC 255



ASB 255 M
ASEPTOR Basic
255 mobile
version



Remote control an optional
version- RC SYMBOL

ASB 255 W C
ASEPTOR Basic 255 wall-mounted version with advanced
working-time LED display counter, white powder-coating finish.



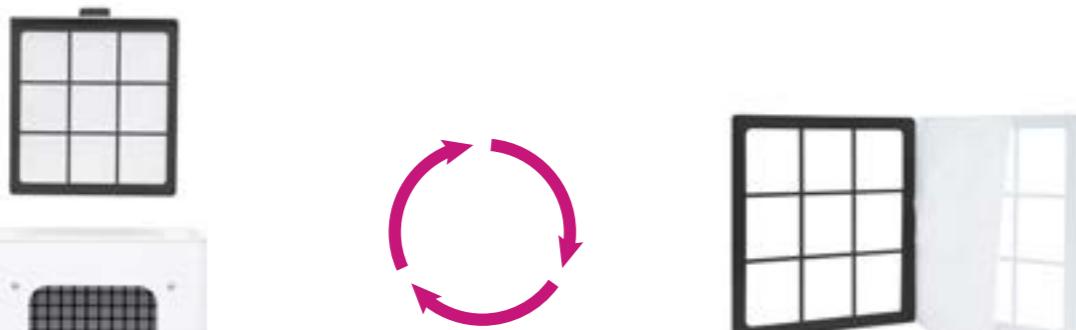
TECHNICAL DETAILS



C - advanced working-time LED counter in ASEPTOR Basic

- working time counter (counter accuracy to 1 hour)
- automatic brightness level- display shadowing and brightening depending on the light intensity level in the room
- quiet alert after 8800 h- visual signaling of the last 200 h of bulb work
- acoustic and visual signalization of the UV-C bulbs exchange time (after 9000 h)
- bulb error alarm- audio and visual signaling (bulb/Err)

EASY AND CONVENIENT FILTER EXCHANGE



WALL MOUNTED VERSION OF THE ASEPTOR- W SYMBOL AESTHETIC INSTALLATION - WALL / CEILING OPTION

Lamp chamber construction enables hiding electric cords behind the lamp. The device fits attractively to every space, being an integral part of them.



MOBILE VERSION OF THE ASEPTOR - M SYMBOL ON THE WHEEL-TRIPOD

The mobile tripod design and construction provides stability and safety for the users. Its weight and entire device body, facilitates easy and smooth movement in every direction.



TECHNICAL DATA

Lamp type	ASB 236	ASB 255
Supply voltage	230V, 50Hz	230V, 50Hz
Power consumption	80 W	120 W
UV-C bulb type	2 x PL-L TUV36W (HNS-L 36W 2G11)	2 x PL-L TUV55W (HNS-L 55W 2G11)
UV-C bulb durability (h)	9 000 h	9 000 h
Fan efficiency	80 m ³ /h	130 m ³ /h
Air flow capability	35 m ³ /h	60 m ³ /h
Disinfected cubature	90 m ³	150 m ³
Disinfected surface	35 m ²	60 m ²
Fan volume	< 20 dB	< 30 dB
Anti-shock protection class	I	I
Casing type	IP20	IP 20
Class for the medical environment	B - home	
Group according to PN-EN 55011 Clause 5:	1	
Compliance with PN-EN 60601-1	YES	
Lamp body dimensions	890 x 215 x 140 mm	
Overall dimensions -wall-mounted version W	890 x 215 x 140 mm	
Overall dimensions -mobile version M	600 x 1070 x 600 mm	
Lamp body weight	9,1 kg	
Total weight - wall-mounted version W	9,5 kg	
Total weight- mobile version M	12,7 kg	
	1035 x 250 x 155 mm	
	1035 x 250 x 155 mm	
	600 x 1250 x 600 mm	
	10,9 kg	
	11,3 kg	
	14,5 kg	

TYPES OF LAMP BODY



IF YOU HAVE
ANY QUESTIONS PLEASE
CONTACT US,
OUR SPECIALISTS
WILL HELP YOU

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APPLICATIONS

MEDICINE



INDUSTRY



PUBLIC FACILITIES

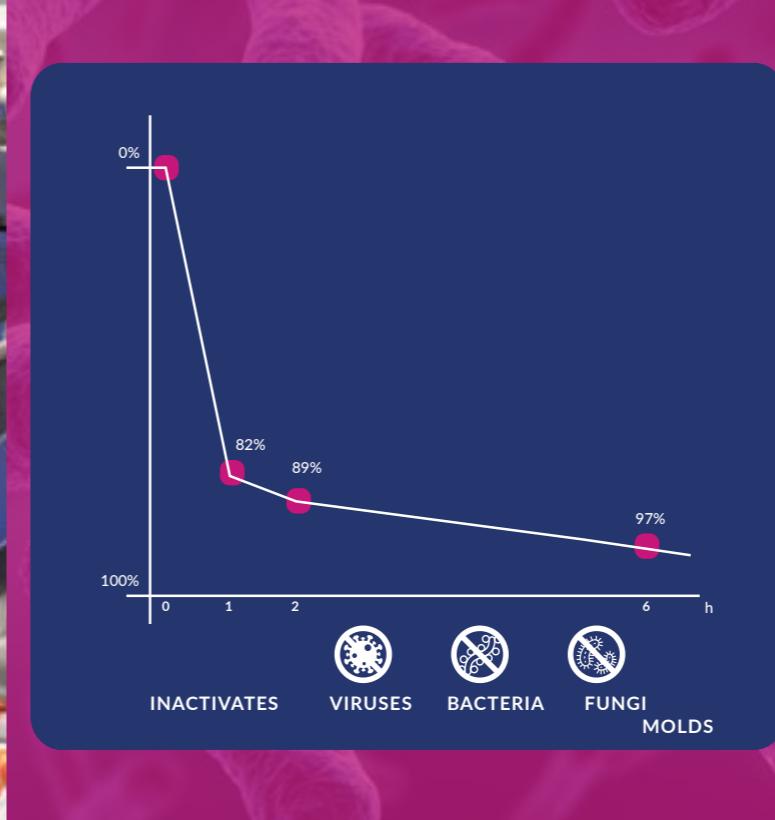


OFFICES



BENEFITS

FAST AND EFFECTIVE MICROORGANISMS REDUCTION



COMPLETELY SAFE FOR PEOPLE AND ANIMALS



HIGHEST LEVEL OF MICROBIOLOGICAL PURITY IN THE WHOLE ROOM



EXCEPTIONALLY QUIET



Polish UV-C lamps manufacturer for over 25 years.



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WYD. ASB/09/2021/EN