ULTRAVIOL

CATALOGUE OF OFFERED MEDICAL DEVICES

FREE COPY

European Funds
Smart Growth

European Union
European Regional Development Fund

Arab Health 2018

UltraViol is a dynamically developing company manufacturing medical equipment. We have been established in 1993.

We offer wide range of X-ray film viewers, including LED modern line, flow and direct radiation germicidal lamps and SAD phototherapy light Fotovita.

Our latest product offer includes the digital and analog images viewing stations, Breis /Ultraviol/ Pacs diagnostic console and Dermalight UV-irradiation units for treatment of skin diseases.

Our company is continuously improving technological solutions to our devices, modernizing their design and quality.

The medical equipment manufactured by our company complies with the requirements of 93/42/EEC (with amendments according to 2007/47/EC) and 2004/108/WE Directives, EN 60601 standard on safety of medical devices and EN 60601-2 standard concerning electromagnetic compatibility of the products.

To confirm the fact that ULTRA-VIOL meets the highest requirements for manufacturers of medical devices, the company obtained ISO 9001 and ISO 13485 certificates granted by TUV NORD CERT GmbH, Essen, Germany.

Our equipment is used by all the best clinics and hospitals in Poland. We export the products to most of the European countries and many other countries all over the world.

The main provider of light sources and power systems, which have a great impact on the high quality of our equipment, is PHILIPS, OSRAM – the worldwide leaders in light technology.

Technological processes used in our production are environmentally friendly.

The detailed information and technical data of our products are available in catalogues and on our website www.ultraviol.pl.

We invite you to become our business partner.

Medica 2017

X-RAY FILM VIEWERS

ECONOMIC X-RAY FILM VIEWERS

- *Two fluorescent lamps*
- *Luminace 2400 cd/m²*
- *Light uniformity 84%*
- *There is only one switch on / off for all frames (the whole surface of the screen is illuminated at once)*
- *Film holding bar is not lacquered, is made of stainless steel*

X-RAY FILM VIEWERS

- WITH PARTITION INTO FRAMES
- WITHOUT PARTITION INTO FRAMES

- *Four fluorescent lamps*
- *Luminance 4000 cd/ m²*
- *Light uniformity 90%*
- *Each frame has a separate switch on/off*
- *Lacquered film holder*
- *Luminance adjustment*
- *HF power supply option*

LED NGP

X-RAY FILM VIEWERS

- *ultra-slim – 35 mm only*
- *LED technology – 50 000 h long life*
- *energy saving – only 45% of the standard power consumption*
- *high luminance – 6000 cd/m2 (19 000 lux)*
- *superior light uniformity ≥ 90%*
- *FAS – film activated switch in the film holder*
- *step-less luminance adjustment*
- *absolutely no light flickering*

NGP 31 mZ

Each X-ray viewer is supplied with a magnifying glass (x2, x4)

X-RAY FILM VIEWERS

WITH SHUTTERS FOR MAMMOGRAMS

- *Luminance ≥ 7000 cd/ m²*
- *Four shutters*
- *Light uniformity 90%*
- *Luminance adjustment 30-100%*
- *HF high frequency power supply*
- *Magnifying glass*

RECESSED X-RAY FILM VIEWERS

FOR OPERATING THEATRE

- *Stainless steel front panel*
- *LED and HF version*
- *Luminance 5000 cd/m²*
- *Light uniformity 90%*
- *Luminance adjustment*

NGP 301 WS

DIGITAL AND ANALOG IMAGES VIEWING STATIONS (PACS, RIS, HIS)

DiCO® station meets the requirements of Medical Directive MDD 93/42 / EEC with amendments according to 2007/47 / EC and is registered in the URPLWMiPB database for medical devices in Warsaw and in the European database EUDAMED. DiCO® station complies with the requirements of the standards: PN-EN 60601-1 (product safety medical) and EN 60601-1-2 (electromagnetic compatibility).

Top-class computer system guarantees the highest performance and reliability.

High quality reference monitor 21"-70" with hardware calibration to DICOM

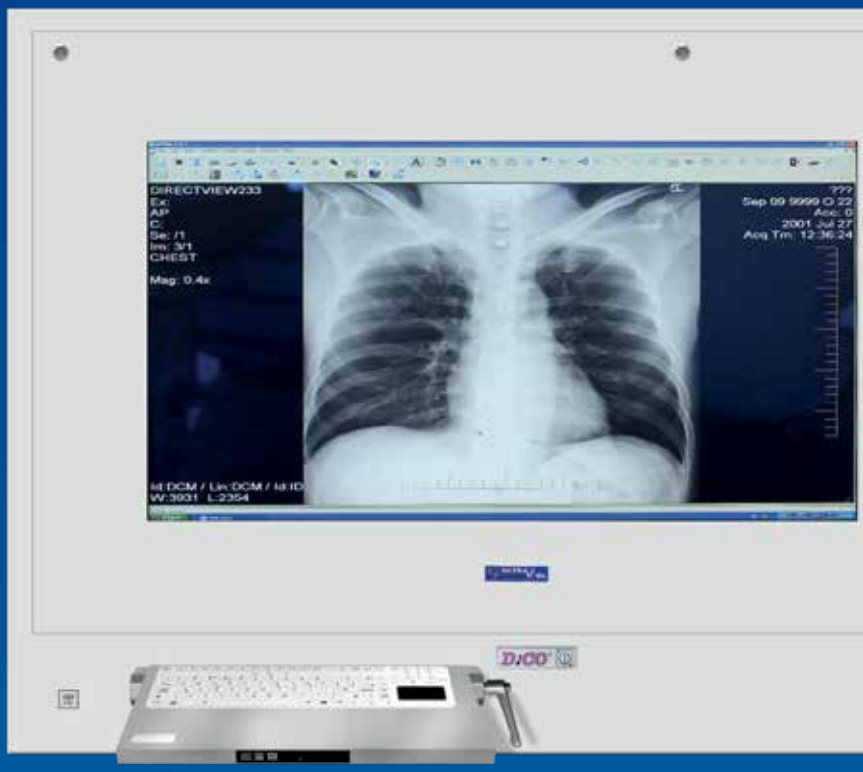
Integrated medical keyboard with aluminum housing, easy to disinfect.

Reliable and safe mechanism of keyboard folding.

Silicone medical mouse. Optional version with keyboard with a medical mouse shelf.

2 x USB sockets protected against flooding.

CD/DVD drive for the recessed version



Glass with anti-reflective coating

Ordinary glass

The glass protecting the monitor is made of special glass SCHOTT CONTURAN DARO with anti-reflective coating 8-times reducing undesirable glare.

Built-in version

Wall mounted or desktop version

High-grade X-ray film viewer made in LED technology, single or double frame, excellent parameters: luminance 6000 cd / m², superior light uniformity > 90%, adjustable light intensity 10-100%. Optional LED X-ray film viewer with shutters

Powder coated steel sheet available in any RAL color – the whole housing

DiCO 1M (40")

ESSENTIAL IN OPERATING ROOMS

Stainless steel (INOX) – the whole housing

DiCO 1M (40")

ON CUSTOMER REQUEST WE CAN OFFER DIFFERENT VERSIONS OF HOUSING FOR DICO® STATION

All types of DICO station, regardless of the monitor diagonal and type of material used, can be installed in recessed walls or in wall systems finished with panels of steel sheet, glass, etc.

Anti-reflective glass SCHOTT CONTURAN DARO® any RAL color – the front of housing

DiCO 1M (40")

On mobile stand version

DiCO 1M (24") with a touch screen

NEW!

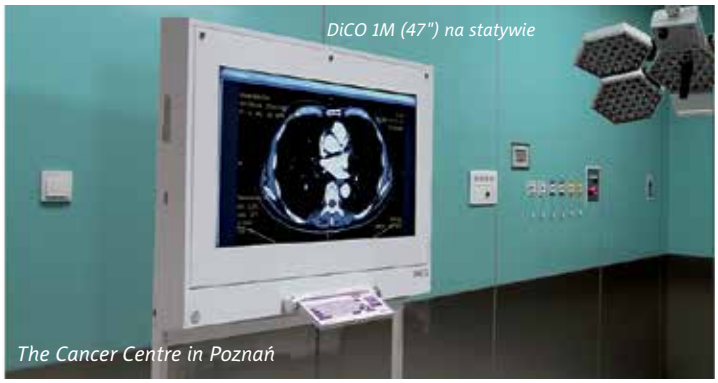
Touch screen type MULTI TOUCH

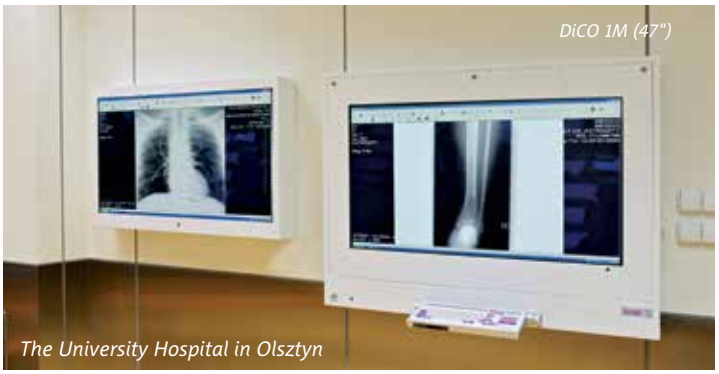
Each DiCO® viewing station regardless of the mounting type and diagonal of the monitor can be equipped with a touch screen (multi-touch).

Available with or without a keyboard.

APPLICATION OF DICO® VIEWING STATIONS IN HOSPITAL – EXAMPLES

INSTALLATIONS





LED NGP WS FOR OPERATING ROOM

X–ray film viewers LED-NGP WS manufactured by ULTRA-VIOL, it is an ultra-modern line of x-ray films viewing devices.

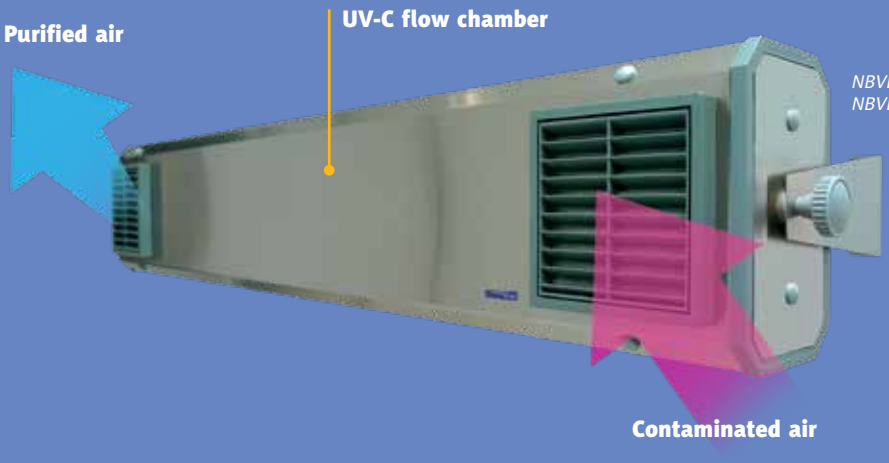
- *LED technology – 50 000 h long life*
- *energy saving – only 45% of the standard power consumption*
- *high luminance – 6000 cd/m^2 (19 000 lux)*
- *superior light uniformity ≥ 95%*
- *step-less luminance adjustment*
- *absolutely no light flickering*
- *made in EU*

„Knob" for a smooth luminance adjustment with ON/OFF screen backlight

UV-C flow germicidal lamps

Disinfection of the air by means of UV-C radiation in the flow germicidal lamps is carried out inside a disinfection chamber. Contaminated air is drawn by a fan – through a filter catching dust and other contaminations-into the disinfection chamber. The UV-C tube intensity and a time during which air remains in the disinfection chamber are selected so that air blown out from the lamp is practically free of microorganisms. Velocity of air flow through the disinfection chamber is therefore selected as a compromise between a desire to disinfect the greatest volume of air per time unit and germicidal effectiveness. It should also be noted that the forced flow of air results in a smooth circulation of air in the room and thus disinfection of air in the whole room.

NEW OPTION
ON / OFF
remote control
(designation – RC)



NBVE 60NL
NBVE 110NL

NBVE 60P
NBVE 110P

a stable stand, easy to move, handles on both sides of the dome

Process of the air treatment with the use of internal UV-C tubes (air)

Contaminated air in the room without germicidal lamps

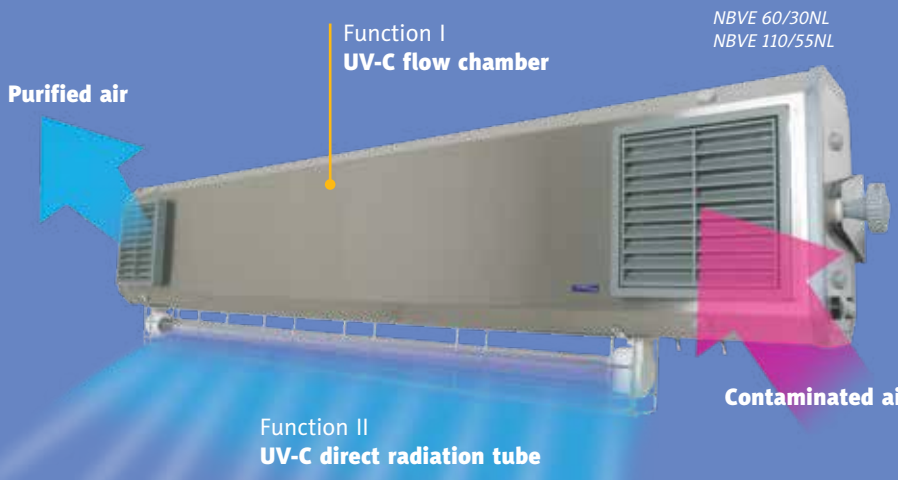
Process of the air treatment with the use of internal and external UV-C tube (air and surfaces)

One of the important advantages of flow UV-C germicidal lamps with forced air flow is a possibility of their use in the presence of personell and patients (permanent disinfection of the air)

Dual-function UV-C flow germicidal lamps

2-function flow germicidal lamps with an external radiator of direct action guarantee a full range of disinfectant action. It gives a possibility of intensive disinfection of the air in the presence of people (UV-C flow chamber – **function I**) and direct disinfection of the whole room when the personell and patients stay outside the room (UV-C direct radiation tube – **function II**). Disinfectant action of the external radiator is similar to standard germicidal lamps NBV series. UV-C radiation disinfects the air and surfaces in the room (walls, table tops, objects, etc.) Thanks to its nature it also reaches different nooks as reflected light.
Both functions are independent of each other.

NEW OPTION
ON / OFF
remote control
(designation – RC)



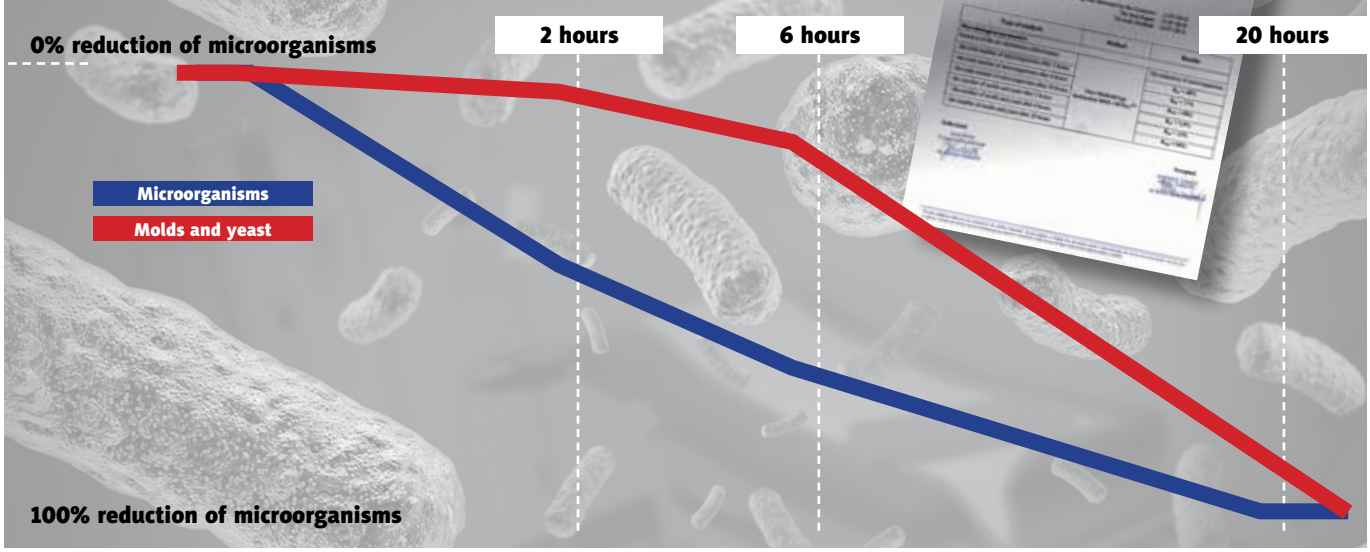
NBVE 60/30NL
NBVE 110/55NL

NBVE 60/30PL
NBVE 110/55PL

Inductive counter with display

EFFECTIVENESS STUDY OF NBVE SERIES GERMICIDAL LAMPS OPERATION

The number of microorganisms exposed to UV-C radiation emitted by NBVE 60 germicidal lamp during 2 hours, 6 hours and 20 hours.



NBV SERIES GERMICIDAL LAMPS

NBV 30P

NBV 2x30S

DIRECT RADIATION UV-C GERMICIDAL LAMPS WALL MOUNTED, CEILING MOUNTED, ON MOBILE STAND

WORKING TIME COUNTER

- *digital working time counter equipped with microprocessor*
- *acoustic signaling the moment of exchange the bulbs*

NBV 15N

NEW
ON/OFF remote control RC

NBV 2x30N

Direct radiation germicidal lamps type NBV are designed to prevent primary and secondary infections of patients and medical personnel caused by airborne pathogenic microorganisms (pathogens). Using direct radiation germicidal in the rooms where infected patients or patients with immune deficiencies are staying, significantly reduces the probability of spread of infection by air. Raising the level of microbiological purity of the air and the rooms helps to destroy and reduce impact of existing outbreaks of pathogens.
Using direct radiation is one of the most efficient methods of supporting disinfection process (reducing the population of microorganisms). These devices produce UV-C radiation of wave length 253,7 nm. This radiation reveals the strongest biocidal characteristics and irreversibly deactivates bacteria, viruses, moulds, fungi and all other microorganisms. Due to their high efficiency germicidal lamps are used wherewer high level of microbiological purity is required and quality and safety of patients and personnel depends on this level of purity.
Areas of application of germicidal lamps:

- *Hospitals*
- *operation theatres*
- *Intensive Care Units*
- *hospital emergency rooms*
- *examination and treatment rooms*
- *reception units*
- *patients rooms*
- *isolation rooms*
- *soiled/dirty utility rooms*
- *Outpatient clinics (consulting and treatment rooms)*
- *Medical laboratories*
- *Chemist's*

WORKING TIME COUNTERS FOR GERMICIDAL LAMPS NBV AND NBVE SERIES

COUNTER LW

PROGRAMMABLE COUNTER LP-02

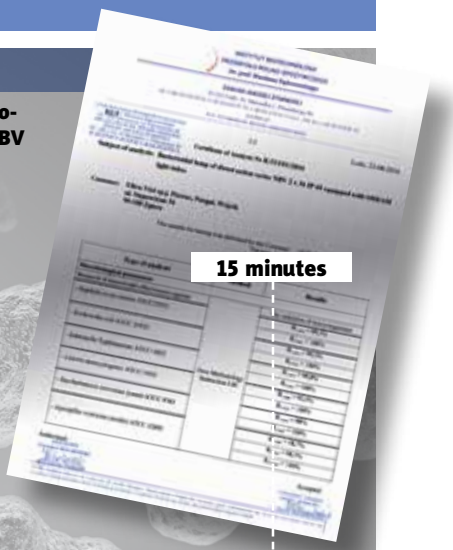
COUNTER LW ST

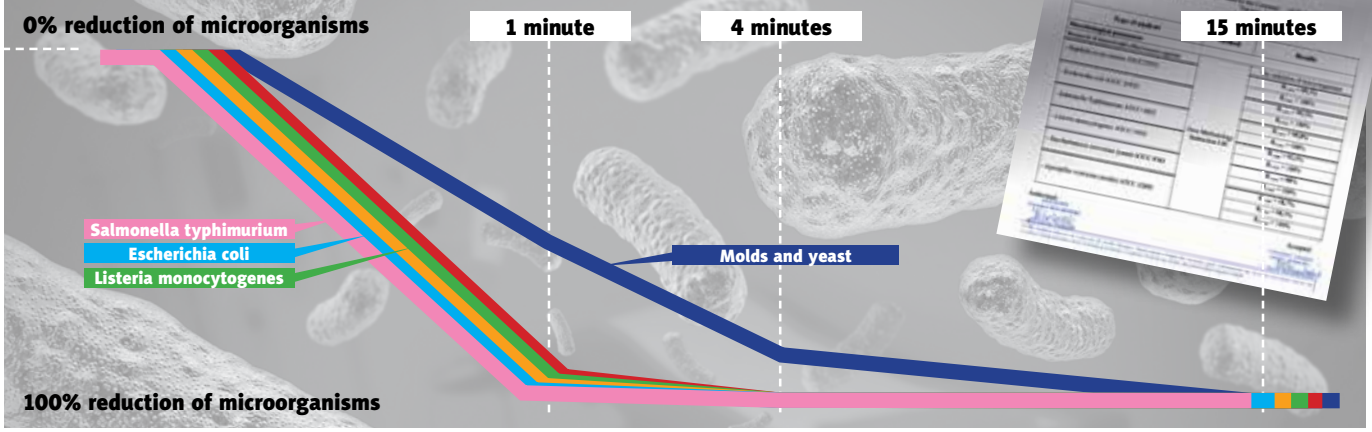
COUNTER LW SK

EFFECTIVENESS STUDY OF NBV IP65 GERMICIDAL LAMPS OPERATION

The study has been done by the Institute of Agricultural and Food Biotechnology, Institute of Food Quality in Łódź, Poland. Test results confirm very high biocidal efficacy of **NBV IP65** bactericidal lamps and **NBVE 60** UV-C flow germicidal lamps. Full study results are available on request.

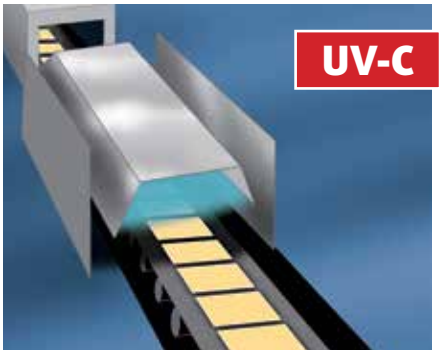
The number of microorganisms exposed to UV-C radiation emitted by NBV 2x36 IP65 germicidal lamp during 1 minute, 4 minutes and 15 minutes.

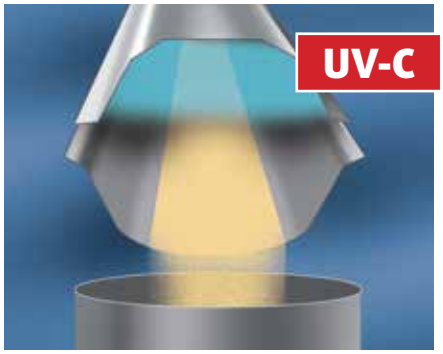




UV-C radiation effectively eliminates bacteria, yeast, and fungi.

It allows to achieve a high level of purity in the production process.



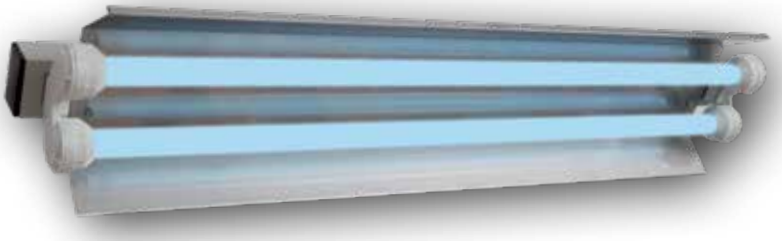


Area and air disinfection. Additional protection against the secondary contamination of a package and a product before and after wrapping.

The germicidal action of the UV-C radiation consists of absorption of "UV radiant energy" by nucleic acids and proteins. The absorbed energy induces chemical reactions in cell nuclei and thus destroys microorganisms.

Most common applications of germicidal lamps in food industry:

- general disinfection of production facilities and machinery
- general disinfecting of premises where the packing scheme is implemented
- local disinfection of the tape dispenser during packaging
- packaging disinfection - containers, cups, lids, films, foil
- general disinfection of air and storage area
- prevention of secondary infections



NBV 2x36 IP65

NBV 2x55 IP65

NBV 2x75 IP65

NEW

Flow germicidal unit

GERMI PROTEC GP 4x55

for air disinfection in industrial area

- disinfection of air in production halls
- very high efficiency
- effectiveness confirmed by tests, destroys bacteria, molds, yeasts
- work (disinfection) in the presence of people
- versions to hang (to the ceiling, on the wall), on a mobile stand

ULTRAVIOL® Sp. j. PIETRAS, PURGAŁ, WÓJCIK

34 Stępowizna Str., 95-100 Zgierz POLAND

tel.: (+48 42) 717 11 76, 717 19 59, 715 00 92, FAX: (00 48) 42 715 002 16, NIP: PL7270021903

e-mail: biuro@ultraviol.pl www.ultraviol.pl www.ultraviolsklep.pl

FREE COPY

PP/EN/11/2018

European Funds
Smart Growth

European Union
European Regional Development Fund