

UVC Germicidal Cabinet: UV-Cabinet

UV-CABINET H-NX

UV-Cabinet by Light Progress Europe is among the few items on the market to offer an extremely quick and truly effective way to safely disinfect objects, tools and equipment.

This powerful disinfection chamber has a stainless steel structure and is equipped with a flat stainless steel internal perforated shelves. and equipment is simple, clean and effective.

UV-Cabinets works by treating the surface of the item with a high dosage rate of UV-C light at the prescribed wavelength of 253.7 nanometres. Inside the CABINET is equipped with a number of opposing high power Ultraviolet Germicidal Irradiating lamps along highly polished reflective internal surfaces. The direct and reflective Ultraviolet Rays provide a high level of disinfection, up to 99.99% within a very short exposure time (seconds).

Validation

Germicidal Ultraviolet irradiation has a proven, strong germicidal effect against micro-organisms (moulds, bacteria, and viruses). In little time the disinfection power of UV-CABINET can achieve a reduction of over 99.9% on live bacteria strains such as Bacillus, Coli, Clostridium, Legionella, Vibrio, Salmonella, Pseudomonas, Staphylococcus etc. A higher level of disinfection can be achieved depending on surfaces and extended cycle times selected by the operator.

Traditional disinfection methods

Traditional disinfection requires the use of chemicals to contact the surfaces of an object. This is often not sufficient to ensure high levels of hygiene. UV-CABINET provides a proven method of disinfection that has been independently tested and validated. With UVC technology there are no nasty chemicals involved, providing a healthier environment for all.

Operation of UV-CABINET

Safe and simple to operate. Place the potentially contaminated or shared item within, close the lid, set the timer and push "start".

The steel door is equipped with a transparent anti UV polycarbonate viewing window allowing visual indication on the state of operation. Whenever the door is closed the UV lamps activate and start the disinfection cycle. If the door is opened during the cycle, sensors will automatically deactivate the UV lamps to ensure the safety of personnel. The lamps will reactivate once the doors are closed again. The irradiation time can be adjusted. Typical cycle times are under 180 seconds.

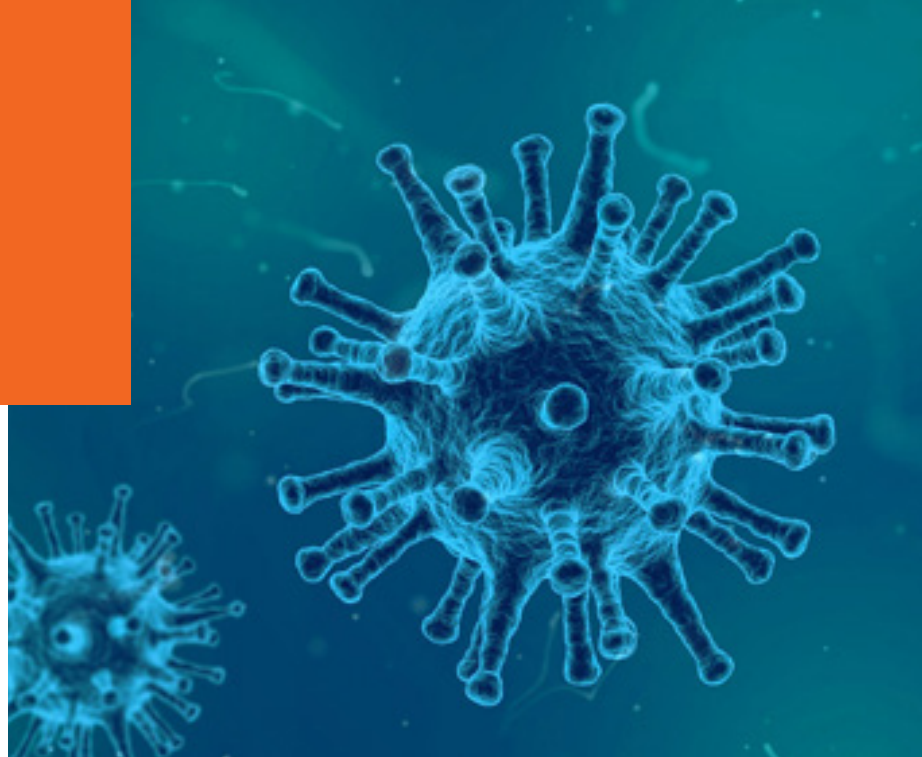
No Ozone

The use of UVC light in the 253.7 nanometres wavelength means there is no Ozone produced. This is particularly important and must be taken into consideration when purchasing UVC equipment as Ozone is hazardous to humans.

Applications

UV-CABINET can be used for germicidal disinfection of objects, tools and equipment for many industries including healthcare, laboratories, food-beverage, hospitality, retail shops, hotels, offices, education, travel, beauty, just about anywhere...

- Face masks & PPE
- Laboratory equipment
- Power and hand tools
- Trays, containers
- Keys, access cards, tags
- Headsets, jewellery
- Beauty care equipment
- Other, shared items...



WHAT ARE UV-C RAYS?

Ultraviolet Germicidal Irradiation is known since the 60's as a good physical method to control growth and distribution of microbial organisms, pathogens, spores, moulds, etc.

Light in a broad sense can be divided into the following, visible, infra-red and ultraviolet rays. Ultra-violet rays (invisible) can be classified in:

- UV A (with tanning properties)
- UV B (with therapeutic properties)
- UV C (with germicidal properties)





Key Benefits

PHYSICAL ACTION AND ENVIRONMENTAL PROTECTION.

- Treatment by UV-C rays is purely physical without the use of any chemicals.
- Results are consistent as microorganisms do not develop resistance to UV light.
- No residual effects.

TOTAL SAFETY

- Ultraviolet rays are confined within the cabinet. Objects can be disinfected whilst the UV-CABINET door is closed.
- The transparent anti UV polycarbonate insignia window allows for visual monitoring of the treatment progress.
- UV lamps automatically switch off if the door is opened during the cycle.

EASE OF USE

- Simple on/off switch and a timer to program the duration of the irradiation and of the pause interval between two subsequent working periods.
- The irradiation time can be adjusted from 1 second to 500 hours.

PRACTICABILITY AND SAVINGS.

- The treatment is immediate and ready for use. The maintenance is minimal with low costs of both energy consumption and maintenance.
- Allows for objects of a variety of size to be treated.

UV-CABINET-H	NX-2/2	NX-1/5	NX-2/5
Lamp lifetime (hour)*	≤ 18000	≤ 18000	≤ 18000
Suggested Replacement	Max 2 Years	Max 2 Years	Max 2 Years
Total Consumption (w)	160	200	390
External Dimensions LxSxH	1100 x 420 x 880	600 x 450 x 2100	1100 x 450 x 2100
Internal Dimensions LxSxH	1030 x 380 x 700	590 x 400 x 1870	1090 x 400 x 1870
Weight (kg)	45	60	90
Equipment	2 door, 2 shelves Hanging Cabinet	1 door, 5 shelves Floor Cabinet	2 door, 5 shelves Floor Cabinet
SPARE PARTS			
UV Lamp Code	n.2 CHS-90WH	n.5 CHS-40WH	n.5 CHS-90WH
Ballast Code	n.2 EB-55P	n°5 EB-55P	n.5 EB-55P
Timer Switch Code	n.1 PM4HW-H- AC240V-J	n.1 PM4HW-H- AC240V-J	n.1 PM4HW-H- AC240V-J

* continuous operation

Technical Features

- Highly efficient selective UV-C lamp pure quartz.
- Body in Stainless Steel AISI 304.
- All used materials are tested for resistance to UV-C rays.
- Reflector in extremely pure mirror bright aluminium.
- Doors made of stainless steel AISI 304 with UV resistant polycarbonate window (LEXAN®).
- Timer for treatment duration programming
- Timer for pause between two subsequent irradiations.
- Safety switch on the doors.
- Powered by specific electronic ballast for ultraviolet UV-C (220-240 V, 50-60 Hz) lamps.
- CE Mark (LVD - EMC - MD - RoHS).



Why choose LAFtech?

LAF technologies (Laftech) is an Australian owned and operated company that has been in the forefront of contamination control since 1987. Laftech has now teamed up with Light Progress of Italy to bring into Australian a high quality, tested and proven solution. We offer the widest product range of UVGI Devices on the market with renown Italian quality.

Benefits to the client:

- Widest range of UV products providing the most appropriate solution.
- Products validated through University testings.
- Local team to assist in presales and aftersales.
- Service and Spares support.

laftech
Contamination Control Solutions

Call: 1300 306 002

