



The perfect salon

100%SAFE
SALONFUTURE

 **Maletti** GROUP
TECHNOLOGY

MALETTI GROUP / UNIVERSITY OF PERUGIA: A COLLABORATION THAT LOOKS TO A 100% SAFE FUTURE

DIPARTIMENTO DI MEDICINA SPERIMENTALE

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SECTION OF ANATOMY, UNIVERSITY OF PERUGIA



When the coronavirus - Covid-19 pandemic began, we all shut ourselves down at home and sought out our own particular “survival” space.

We listened to the opinions of a thousand experts and asked ourselves what we would have done and said if we were in their shoes. And when I was asked to collaborate with Maletti Group, I thought it was very important to offer my scientific knowledge and skills so as to help improve the production process of a key company, while respecting the rules, people and work.

Prof. Cataldo Arcuri, PhD

We have been focused on well-being for 80 years: well-being is synonymous with health and safety.

During the 1990s, our Technology section produced the first “HIV control system” to sanitise combs, razors and brushes when AIDS appeared in our lives. When Covid-19 forced many businesses to close for a prolonged period, we decided that we needed to focus not only on business reopening, but particularly on a complete and 100% safe reopening. Our mission has always been a global vision of the problem and its consequent action so that next time a virus comes along, no one needs to be unprepared, let alone forced to reduce their work due to a lack of health safety. 100% SAFE is our vision of the future.

Danilo Maletti, president of Maletti Group

PROF. CATALDO ARCURI EXPLAINS THE CONCEPTS BEHIND THE 100%SAFE PROJECT.

1. **COVID-19** presents a typical viral structure with a single RNA filament covered and protected by a protein shell.

Externally is an additional lipoprotein envelope.

The use of UVC is an extremely valid method in that it causes damage to the viral RNA, the structure that makes replication possible, causing its total inactivation so that it is no longer able to replicate.

2. The **UVC** rays act on all micro-organisms, albeit in a slightly different way.

In particular, bacteria, viruses, moulds, yeasts and spores are inactivated and killed by UVC rays, which are therefore still **the best and most effective technology for microbial purification of the air.**

3. The virus travels through the atmosphere as droplets, or rather water droplets formed of infected individual's saliva that is released from the body through coughing or sneezing. These droplets tend to fall towards the floor. The same happens with bacteria. **For this reason, collecting the potentially contaminated air from below is the best method as this also generates a flow that prevents or significantly slows down any deposit on the lowest surfaces, such as the floor.**

This method, along with the disinfecting of higher surfaces, for example work tops, ensures a significant reduction in the viral and bacterial load in the workplace.

4. The **MALETTI GROUP SANITISER PRODUCTS** line uses the action of germicidal UVC rays emitted by special Quartz lamps installed inside of them.

Compared to the chemical solutions that are generally used to disinfect surfaces, the use of UVC technology guarantees the destruction of the genetic structure of bacteria and viruses and a deep and constant sanitising action when devices are in operation.



Welcome.
“Our salons
are the safest
in the world”



Working safely in a healthy
environment means
working more effectively
respecting both operators
and clients.



Salonfuture 100%safe: a totally safe pathway for operators and clients

The **FUTURE** presents too many unknowns for us so we indeed need to adapt our domestic and work spaces

while considering two key points:

greater safety = greater well-being

greater safety = greater productivity

Technology is a precious ally for a safe relaunch.

We have all learned how coronavirus transmission methods are insidious and how superficial gestures and behaviours need to be banned if we want to avoid facing any further lock down.

Thanks to the use of technology, **100%SAFE** by Maletti Group guarantees the **continuous sanitisation of spaces and accessories** at a level that no operator would be able to ensure through manual cleaning.

Only with the cooperation of both operators and clients safety can be 100% guaranteed.

1 RECEPTION

- disinfection of footwear
- temperature check
- clothing/bag storage
- sanitisation of small personal items



STATION



KUBETTO



ALFRED



BLOCK



UVC-MINI
TOTEM



2 SANITISATION

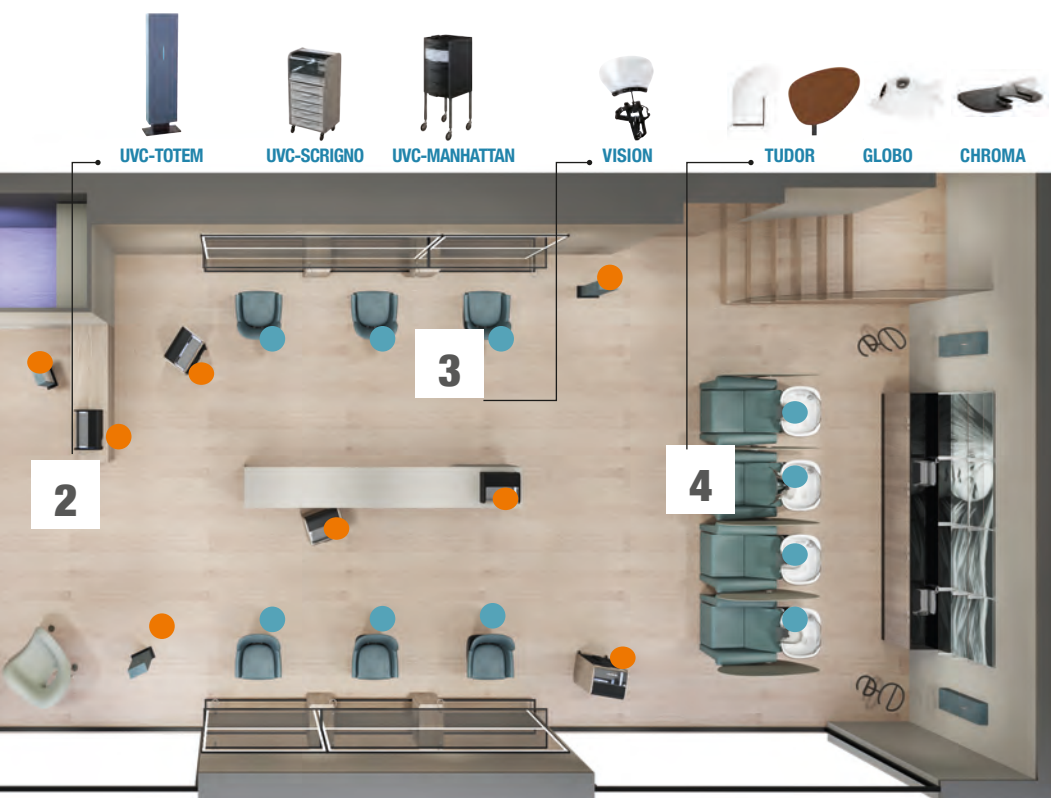
- 24-hour sanitisation
- trolleys for tools sanitisation and sterilisation

3 CUT/BLOW DRY

- hairstylist protection
- the hairdryer reaches 120°C with subsequent sterilisation of the adjacent working space

4 WASH UNITS

- partitions between wash units
- client isolation using hoods
- possibility to apply colour at the washstation





Live and work safely



Sanitising station

GIOVANNONIDISEGN

three in one: **Station**, **Thermoscanner** and **Kubetto**, the platform that sanitises footwear through atomising **disinfectant liquid**.

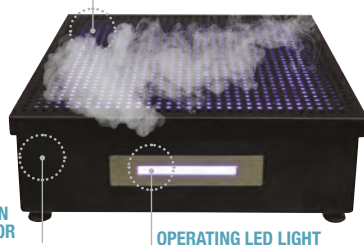
(to be purchased separately)



Kubetto

Disinfects the soles of footwear in a few seconds by atomising disinfectant liquid (quaternary ammonium salts see p.44). It can be placed anywhere in the room Suitable up to 150 kg 2 Lt tank capacity Manual filling of disinfectant liquid Led lighting.

WITH A PERFORATED SURFACE TO FACILITATE THE OUTFLOW OF THE ATOMISING LIQUID THE DISINFECTANT LIQUID ACTS ON SOLES NOT HARMFUL TO PEOPLE'S HEALTH DOES NOT DAMAGE FOOTWEAR





THE FLOOR TO: PROF. ARCURI

**ROUGHLY 50% OF BACTERIA LIVE
ON THE GROUND.**

**SANITISING FOOTWEAR UPON
ENTRY MEANS **ELIMINATING 50%
OF THE PROBLEMS****

**When a person
gets on, it takes
an automatic
temperature reading
and sanitises the
footwear's soles in
just a few seconds by
atomising disinfectant
liquid.**



▶ SCAN ME



Alfred

GIOVANNONIDISEIGN

Coats and bags
are safely stored
inside the **sanitising
wardrobe**



THE FLOOR TO: PROF. ARCURI

**AN ADDITIONAL BACTERIAL LOAD
IS PRESENT ON CLOTHING
STORING THEM IN A UVC RAY
WARDROBE WILL PREVENT
BACTERIA FROM FOLLOWING US
INTO THE SALON**



The **Alfred** wardrobe is fitted with ozone-free UVC lamps which disinfect clothing and bags, essential in order to prevent viruses and bacteria following people inside the salon.

When the client leaves, any virus will have been eliminated. Produced upon request.



**DISINFECTS COATS AND
BAGS
USING UVC LAMPS IN 30
MINUTES (THE MINIMUM
TIME NEEDED
FOR A BLOW-DRY)**

**AUTOMATIC PRESSURE
SENSOR ACTIVATION**

ACTIVATES ONCE CLOSED

LED LIGHTING

Tudor

near but apart

Tudor allows total separation between the wash units.

Available in two versions.



THE FLOOR TO: PROF. ARCURI

**RESPECTING
SOCIAL DISTANCES**

**A DIVIDER IN THE WASH UNIT
AREA SOLVES THE DISTANCING
PROBLEM**

Tudor M

Available in transparent plexiglass or the full Maletti Group skay colour range.

It can also be installed on existing wash units.



**SINGLE SELF-SUPPORTING
PANEL CAN ALSO BE
INSTALLED
ON EXISTING WASH UNITS**



Tudor D

GIOVANNONIDESIGN

Available in the full Maletti Group skay and wood colour ranges.

Only for Nelson, Aluwash and Eden collection

**THE BAR MUST BE FIXED TO
THE INTERNAL STRUCTURE
OF THE WASH UNIT**





Chroma

treatments
are carried out
at the wash unit



THE FLOOR TO: PROF. ARCURI

AVOID UNNECESSARY CONTACTS
LIMITING MOVEMENT WITHIN A
WORKSPACE MEANS LIMITING
CONTAMINATION

TIMELESS

CONTAMINAZIONE DI PERICOLO
PER UNA COMPRENSIONE

OLD SMOKE COLLECTOR

design: Elio Giovannini

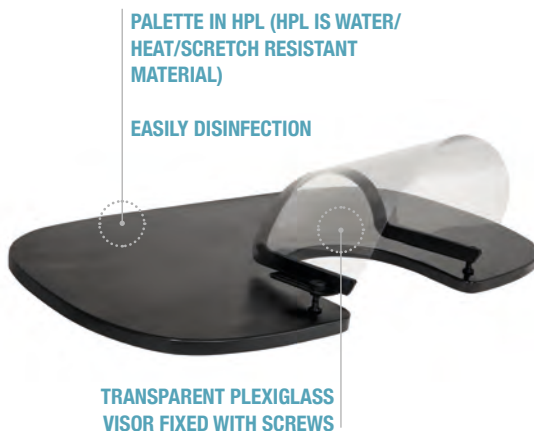
LORD WELLINGTON

design: Elio Giovannini

OVAL

design: Elio Giovannini

Chroma is a palette designed specifically for colour and various treatments. A flat surface that can be easily positioned on all basins and easily disinfected.



Globo

the head is **safe**
from external agents



THE FLOOR TO: PROF. ARCURI

**ENSURE EVERYONE ALWAYS
WEARS PERSONAL PROTECTIVE
EQUIPMENT IN THE SALON
AN ISOLATING HOOD
IS THE BEST WAY TO ENSURE
GREATER SAFETY**



Globo is the hood with transparent plexiglass visor. This visor is removable and open on top to facilitate the air passage. It can be used on several Maletti Group wash units and it allows simple relaxing isolation, even during colour application.

A PROTECTIVE VISOR
PROTECTS CLIENTS BY EXTERNAL
AGENTS. APPLIED BY SCREWS TO
FACILITATE USE

HAND OPENINGS
PREVENT THE ENTRY
OF EXTERNAL AGENTS



Vision

the visor that **protects**,
leaving glasses
free and not fogged

PROTECTS THE STAFF FACE

CREATED IN ULTRA LIGHT
TRANSPARENT PET
ENSURES EXCELLENT VISUAL
QUALITY PREVENTS THE FOGGING OF
EYEGGLASS LENSES.



Vision is the ideal face protection visor for a safe relaunch.

It offers excellent impact resistance thanks to its innovation, shield-like design.

Allows for full protection of the chin and forehead thanks to its distance from the operator's face.

Sweat proof, hypo-allergenic and non-toxic.

Can be used for long periods of time without causing irritation.

A SAFE, LIGHTWEIGHT, SWEAT
PROOF SHOULDER STRAP PREVENTS
CONTACT WITH THE SKIN OF THE
FACE WHILE ENSURING FREEDOM OF
MOVEMENT



THE FLOOR TO: PROF. ARCURI

**USE A FACE MASK
IN PUBLIC PLACES
ALWAYS KEEP EXTRA PIECES
FOR CLIENTS AND STAFF**



UVC-Totem

GIOVANNONIDISEGN

Purchasers of a Class 1 medical device have the right to a tax deduction for medical expenses. UVC-TOTEM is an air purification system. Essential in the salon of the future in order to keep workspaces sanitised 24 hours a day. Allows 120 m³/h sanitisation. It is not harmful to people. **The universal:** the only room sanitiser with customisable **logos, colours and filters.**



THE FLOOR TO: PROF. ARCURI

**INFECTED DROPLETS TEND TO FALL
TOWARDS THE GROUND
COLLECTING CONTAMINATED AIR
FROM BELOW IS THE BEST ACTION
PLAN FOR DEEP
AND SAFE SANITISATION**



**WALL UVC-TOTEM
(ASSEMBLY KIT
OPTIONAL)**

AVAILABLE IN THE ENTIRE MALETTI GROUP SKAY AND WOOD COLOUR RANGES



UVC-Mini Totem

The **mobile** sanitiser
Very handy and easy to use



WALL UVC-MINI TOTEM
(ALREADY PREDISPOSED FOR
WALL FIXING)



UVC-Mini Totem

is the essential air purifier for lifts,
treatment rooms and changing rooms.
Keeps small spaces sanitised
24 hours a day.

Allows 30 m³/h sanitisation.

Not harmful to people.

Only with a steel finish.



**SAFE FOR
PEOPLE**

**100% MADE
IN ITALY**

100% DESIGN

EMISSION OF PURE AIR

The treated air is expelled from the exit nozzle (passing through the second optional filter), thus lowering the microbial load

INTERNAL SANITISATION

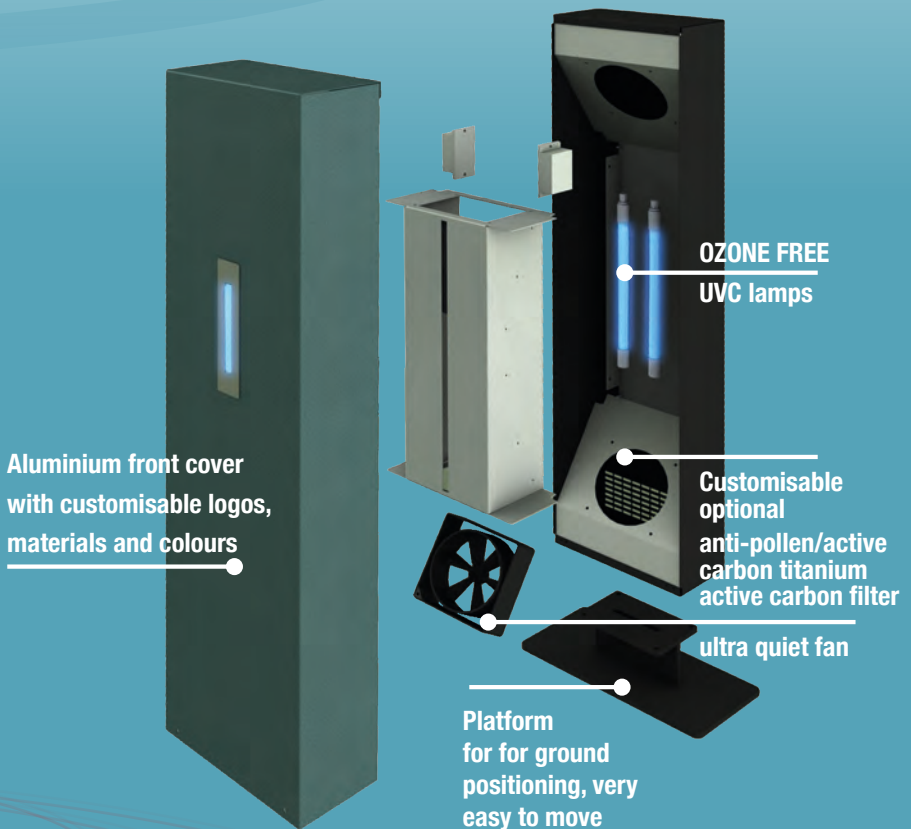
2 UVC lamps produce irradiation for maximum germicidal action

POLLUTED AIR INTAKE

aspirates polluted air from below by using fans



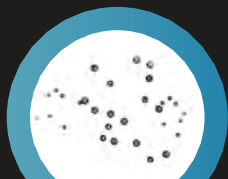
1. **The aspirated air** from the below by UVC-Totem passes through the grille in the intake mouth, which blocks larger pollutants and preserves the integrity of the lamps.
2. **The air enters** the irradiation chamber in direct contact with two mercury steam pipes which, thanks to the emission of UVC radiation, determine the germicidal action.
3. **The air is expelled** through the outlet mouth it has passed through a second optional filter and expands circularly in the space, falling in an umbrella shape and thus reducing the microbial load.
4. **Continuous disinfection also in the presence of people.**
5. **Constant 24 hr protection.**
6. **Low energy consumption.**



Problem?

Polluting agents, viruses, bacteria and micro-particles

A series of pollutants are present
in every professional and domestic
environment.



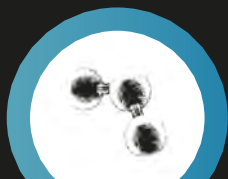
PM 0,1

Ultra-fine particles
and viruses



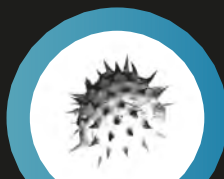
PM 5,0

Moulds and bacteria



SMELL

Domestic smoke



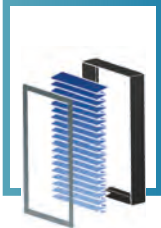
PM 10

Pollens and allergens

Solution: three purifying optional filters

Maletti Group has identified three filters based on your needs

A / ANTI-POLLEN FILTER



Polyester filter cell.

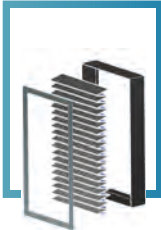
Typically used to purify air and reduce fine PM10 and PM2.5 dusts and pollens.

These filter elements include pleated polyester panels (filtering surface equal to 0.15mg).

The filter should be checked every 6 months or sooner if there is a significant drop in outgoing air flow rate from UVC-Totem.

The filter can be restored several times following the correct sanitising procedure.

B / ACTIVE CARBON FILTER



Active carbon filter cell.

Typically used for the deodorisation and chemical/physical absorption of gas pollutants (odours, solvents, etc.)

These filter elements include pleated polyester panels impregnated with active carbons (filtering surface equal to 0.15mg).

The filter should be checked every 6 months or sooner if there is a significant drop in outgoing air flow rate from UVC-Totem.

The filter should be replaced every 12 months due to a natural deterioration of carbon absorption ability..

C / ACTIVE CARBON FILTER TREATED WITH TiO2 TITANIUM DIOXIDE



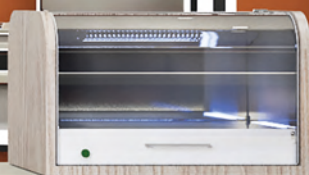
Multi-layer filter cell (active carbon with film coating in titanium dioxide).

Filters are composed of a non-woven fabric multi-layer that includes a middle layer made up of high-efficiency active carbon micro-spheres, to which a TiO2 titanium dioxide-based coating is applied externally. Typically used for the deodorisation and chemical/physical absorption of gas pollutants (odours, solvents, etc.) in combination with UVC ray exposure that boosts purification efficiency (BACTERIA, VIRUSES, YEASTS, MOULDS). These multi-layer filter elements include pleated polyester panels impregnated with active carbons and with a film coating in titanium dioxide (filtering surface equal to 0.15mg). The titanium dioxide, activated by UV rays of suitable wavelength (254nm), catalyses the oxide reduction reactions of the organic substances absorbed on its surface: compounds of organic origin are therefore broken down and H2O and CO2 are obtained as by-products.

The filter should be checked every 6 months or sooner if there is a significant drop in outgoing air flow rate from UVC-Totem. The filter should be replaced every 12 months due to a natural deterioration of carbon absorption ability..

UVC-Scrigno

the **sterilising trolley**
that protects
your precious work tools



UVC-Scrigno

is the steriliser
with UVC technology.
It sterilises tools such as
brushes, combs and scissors in
just a few seconds.
UVC-Scrigno box, on wheels
so as to constantly follow the
operator.



UVC-Scrigno box

GIOVANNONIDESIGN

**SANITISATION
BY UVC RAY IRRADIATION**
(SEE PAGE 47)

LED LIGHTING WITH PLUG

**LAMINATED WOODEN SIDES FROM THE
MALETTI GROUP COLOUR RANGE**

**DOOR MADE OF
TRANSPARENT
METHACRYLATE FOR UVC
PROTECTION**

**STRUCTURE
MADE OF SATIN
STEEL**

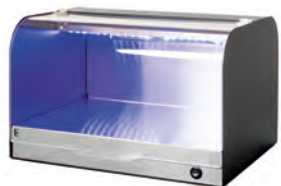
5 DRAWERS

**SIDES AVAILABLE IN
ALL WOOD SHADES
BELONGING TO MALETTI
GROUP CHART**

SPEEDY WHEELS

UVC-Scrigno

**COUNTERTOP ONLY
BLACK ONLY**



UVC-Manhattan

the newest arrival in the Manhattan family

The latest evolution,
UVC-Manhattan trolley
is a new entry in the Manhattan family.
It includes a UVC ray drawer
for tools sanitisation.

SANITISATION
BY UVC RAY IRRADIATION
(SEE PAGE 47)

LED LIGHTING WITH PLUG



UVC DRAWER WITH LED
THAT ACTIVATES ONCE
CLOSED
AND TURNS OFF WHEN
OPENED

GONZALES WHEELS



Block

Not only brushes.

Block sterilises pens, glasses, keys and it kills 99.9% of the bacterial load!



Block allows rapid disinfection of small, everyday items.

Located at the salon entrance, it allows sterilisation of a client's personal items such as glasses, or everyday items such as pens and keys.



THE FLOOR TO: PROF. ARCURI

**WASHING HANDS REGULARLY
AND DISINFECTING THE MORE
USED OBJECTS.
PROTECTS US FROM INFECTION.**



IT SANITISES BY ATOMISING THE
DISINFECTANT LIQUID
LABORATORY TESTS HAVE
UNDERLINED THE EFFECTIVENESS IN
REDUCING THE BACTERIAL LOAD BY
99.9%
THE TESTS WERE CARRIED OUT
USING QUATERNARY SALTS AT A
CONCENTRATION OF 1% (SEE PAGE 45)

0.5 LT TANK CAPACITY

LED LIGHTING

**MANUAL FILLING OF
DISINFECTANT LIQUID**

**IT DISINFECTS INSERTED ITEMS
IN JUST A FEW SECONDS**



**PERFORATED GRID FOR THE OUTFLOW
OF ATOMISED DISINFECTANT LIQUID**

**INTERCHANGEABLE
PLEXIGLASS SHELL**



**TIMED MANUAL
ACTIVATION**



SCAN ME

Our classics

Maletti Group has a Technology section which since ever has been designing devices for the disinfection and sterilisation of industry professionals' tools.

Our products use different technologies depending on their required performance.



UVC-Hot Cabby

UVC ray steriliser

DISINFECTION TECHNOLOGY
WITH COLD UVC RAYS
AND HOT GERMICIDE UVC LAMPS

ALLOWS TOOLS AND CLOTHING
DISINFECTION

TOWEL GRID

DOUBLE SWITCH
TO SELECT THE DISINFECTION
FUNCTION DEPENDING ON MATERIAL

DEVICE FOR STORAGE
OF SMALL TOWELS AND TOOLS
IN A PROTECTED ENVIRONMENT

AVAILABLE IN 3 VERSIONS

HOT CABY SMALL



HOT CABY MEDIUM



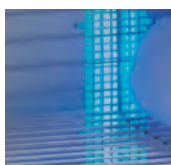
HOT CABY BIG



DOUBLE SWITCH



GERMICIDE UVC LAMPS



TOWEL GRILLE



Autoklave

saturated steam steriliser

PRODUCT CERTIFIED FOR MEDICAL USE

**ALLOWS STERILISATION OF UNPACKAGED METAL TOOLS
SUCH AS SCISSORS, BLADES AND RAZORS
ALLOWS SANITISATION OF TOWELS AT TEMPERATURES
ABOVE 120°C**

**STERILISATION IS CARRIED OUT USING PRESSURISED
SATURATED STEAM**

**THE STEAM ACTION
IRREVERSIBLY DAMAGES MICRO-ORGANISMS**



PRESSURE GAUGE



Steryl Seal

sterile sealing

PRODUCT CERTIFIED FOR MEDICAL USE

**IT ALLOWS THE PROTECTIVE PACKAGING OF PREVIOUSLY
STERILISED AND/OR DISINFECTED TOOLS**

VERSATILE ROLL HOLDER FOR BAGS OF VARIOUS SIZES

**CREATED WITH MATERIALS THAT ENSURE THE HYGIENE OF
THE PACKAGED PRODUCT**

**PERFECTLY SEALED PACKAGES ENSURE PRODUCTS TO BE
PROTECTED FROM EXTERNAL CONTAMINATION**

ROLLS RESISTANT TO STERILISATION PROCESSES



CUTTING AND SEALING



Ecosteam

100° natural steam steriliser



ALLOWS RAPID STERILISATION
USING THE NATURAL DISINFECTION OF 100°C STEAM

CAN BE USED ON SURFACES AND ITEMS
THAT CANNOT BE TREATED WITH CHEMICAL PRODUCTS

IDEAL FOR DISINFECTING A WORKSTATION AFTER EVERY
TREATMENT

DOES NOT USE CHEMICAL PRODUCTS

DOES NOT CREATE RESIDUES

EXTREMELY EASY TO HANDLE AND USE



STEAM EMISSION



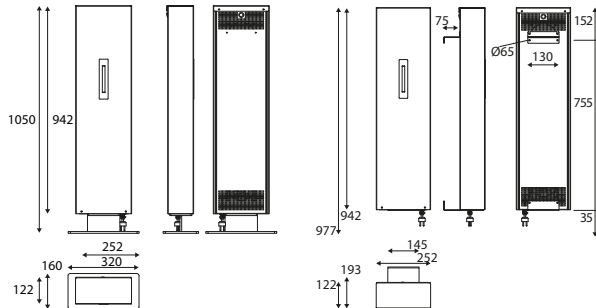


UVC-TOTEM

ROOM SANITISER
GIOVANNONIDESIGN

UVC-TOTEM 2 / 2 LAMPS **6094**
UVC-TOTEM WOOD 2 / 2 LAMPS **6096PL**

WALL INSTALLATION KIT OPTIONAL **6093**



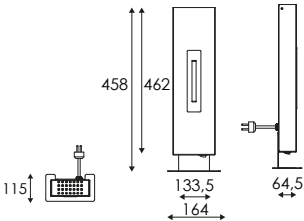
Dimensions wall-mounted 197,7 cm ↗19,3 cm →25,2 cm with stand 1105 cm ↗16 cm →25,2 cm	Lamps High-performance OZONE FREE selective 2 UVC lamps in pure quartz (emission peak of 254 nm)	TMC reduction total microbial load 99%
Lamp life 6000 h	Emission wavelength 254 nm	Coverage 48 m²/h 120 m³/h
Power supply 220v or 110v electrical absorption 50 watt	Starting sanification time 1h	

ARTICLE CODE	COLOUR	COMPATIBILITY
6094	Maletti all skay range	universal
6096	Maletti all wood range	universal

UVC-MINI TOTEM 6092 ROOM
SANITISER

UVC-MINI TOTEM 6092

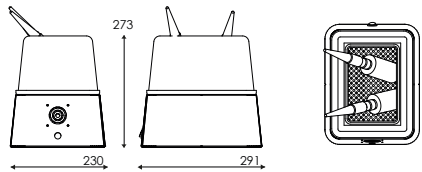
ALREADY PREDISPOSED FOR WALL FIXING



Dimensions wall-mounted 143,1 cm ↗5,25cm →12,4 cm with stand 147,9 cm ↗5,25 cm →15,4 cm	Lamps High-performance OZONE FREE selective 1 UVC lamp in pure quartz (emission peak of 254 nm)	TMC reduction total microbial load 99%
Lamp life 6000 h	Emission wavelength 254 nm	Coverage 12 m²/h 30 m³/h
Power supply 220V or 110V Electrical absorption 25 watts	Starting sanitification time 1h	Consumption 50W
ARTICLE CODE	COLOUR	COMPATIBILITY
6092	steel grey	universal

BLOCK 6089

STERILISER FOR SMALL ITEMS



Dimensions
1273 cm ↗230 cm →291 cm

Sanitises with the atomising
of disinfectant liquid

TMC reduction
total microbial load 99%
Recommended
treatment time 1 min. e 20 sec.

Power supply 220v or 110v
Electrical absorption 60 watts

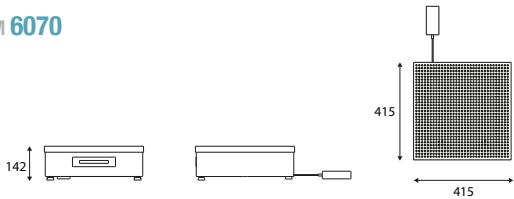
Operating light
Timed manual activation

OPTIONAL
cover in different sizes

ARTICLE CODE	COLOUR	COMPATIBILITY
6089	grey / black	universal

KUBETTO

FOOTWEAR SANITISING PLATFORM 6070



Dimensions
114,2 cm ↗41,5 cm →41,5 cm

Activator with body presence sensor
Perforated platform for the outflow
of atomized disinfectant liquid

TMC reduction
total microbial load 99%
Recommended
treatment time 30 sec

Power supply 220v or 110v
Electrical absorption 60 watts

Operating light

Consumption
60W

ARTICLE CODE	COLOUR	COMPATIBILITY
6070	black	universal

TESTS FOR BLOCK E KUBETTO

EXTERNAL LABORATORY TESTS HAVE UNDERLINED THE EFFECTIVENESS IN KILLING 99.9% OF THE BACTERIAL LOAD (CONTAMINATION WITH TWO TYPES OF BACTERIA: E.COLI AND S.AUREUS)

THE TESTS WERE CARRIED OUT USING THE PRODUCT RECOMMENDED IN THE MANUAL (QUATERNARY SALTS) AT A CONCENTRATION OF 1%

Direttore del Laboratorio
Responsabile Settori
Microbiologia ed Allergeni
(Biologo)



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Tel. 059822417 r.a. - Fax 059380281 - e-mail: info@modenacentroprove.it - www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364



MECCANICA

ECOLOGIA

CERAMICA

AUTOMOTIVE

RISULTATI

I risultati ottenuti sono riassunti nelle due tabelle sottostanti. Per entrambe le superfici in seguito ad un trattamento di 2 minuti la percentuale di abbattimento (R%) ottenuta è stata del 99,9% o superiore (>99,9%).

PLASTICA (num. RdP 20LA05633 – laboratorio BLOKIM)

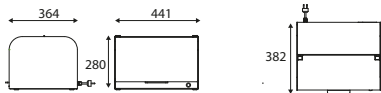
CEPPO	TESTIMONE	Campione dopo trattamento di 45 secondi (ulciprovo)	R %	Campione dopo trattamento di 1 minuto e 20 secondi (ulciprovo)	R %	Campione dopo trattamento di 2 minuti (ulciprovo)	R %	METODO
Escherichia coli ATCC 8739	$3,6 \times 10^6$	Presenti <40	99,9	<10	>99,9	<10	>99,9	ISO 16649-2:2001
Staphylococcus aureus ATCC 6528	$2,9 \times 10^6$	$2,9 \times 10^2$	90	$6,5 \times 10^2$	97,8	<10	>99,9	UNI EN ISO 8080-1:2004

ACCIAIO (num. RdP 20LA05634 – laboratorio BLOKIM)

CEPPO	TESTIMONE	Campione dopo trattamento di 45 secondi (ulciprovo)	R %	Campione dopo trattamento di 1 minuto e 20 secondi (ulciprovo)	R %	Campione dopo trattamento di 2 minuti (ulciprovo)	R %	METODO
Escherichia coli ATCC 8739	$1,4 \times 10^7$	$1,0 \times 10^2$	>99,9	<10	>99,9	<10	>99,9	ISO 16649-2:2001
Staphylococcus aureus ATCC 6528	$1,2 \times 10^6$	$3,7 \times 10^4$	69,2	$9,5 \times 10^2$	99,5	$1,6 \times 10^2$	99,9	UNI EN ISO 8080-1:2004

UVC-SCRIGNO 6097

COUNTERTOP STERILISER
GIOVANNONIDESIGN



Dimensions
128 cm ↗36,4 cm →44,1 cm

Lamps
OZONE FREE selective UVC lamps

TMC reduction
total microbial load 99%
Recommended
treatment time 5 mins.

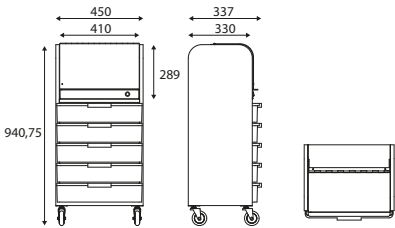
Power supply 220v or 110v
Electrical absorption 25 watts

ARTICLE CODE	COLOUR	COMPATIBILITY
6097	black	universal

UVC-SCRIGNO BOX COMPOSITE

STERILISING TROLLEY
GIOVANNONIDESIGN

UVC-SCRIGNO COMPOSITE / COMPLETE 6098
UVC-SCRIGNO BOX ONLY/ DRAWERS 6099
UVC-SCRIGNO ONLY/ STERILISER 6097



Dimensions
194 cm ↗33,7 cm →45 cm

Lamps
OZONE FREE selective UVC lamps

TMC reduction
total microbial load 99%
Recommended
treatment time 5 mins.

Power supply 220v or 110v
Electrical absorption 25 watts

ARTICLE CODE	COLOUR	COMPATIBILITY
6098	black drawers and sides with all Maletti wood range	universal
6099	black drawers and sides with all Maletti wood range	universal
6097	black	universal

TESTS FOR UVC-SCRIGNO, UVC-SCRIGNOBOX, UVC-MANHATTAN

EXTERNAL LABORATORY TESTS HAVE UNDERLINED THE EFFECTIVENESS IN KILLING 99.9% OF THE BACTERIAL LOAD (CONTAMINATION WITH TWO TYPES OF BACTERIA: E.COLI AND S.AUREUS)

Direttore del Laboratorio
Responsabile Settori
Microbiologia ed Allergeni
(Biologo)



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MECCANICA

ECOLOGIA

CERAMICA

AUTOMOTIVE

RISULTATI

I risultati ottenuti sono riassunti nelle due tabelle sottostanti. Per entrambe le superfici in seguito ad un trattamento di 10 minuti la percentuale di abbattimento (R%) ottenuta è stata superiore al 99,9%.

PLASTICA (num. RdP 20LA06215)

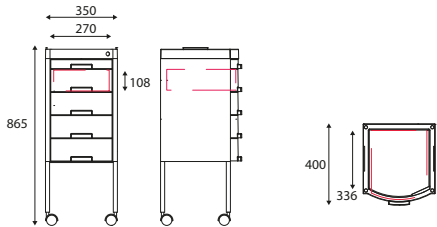
CEPPO	TESTIMONE	Campione dopo trattamento di 5 minuti (ulciprovinci)	R %	Campione dopo trattamento di 10 minuti (ulciprovinci)	R %	Campione dopo trattamento di 15 minuti (ulciprovinci)	R %	Campione dopo trattamento di 30 minuti (ulciprovinci)	R %	METODO
Escherichia coli ATCC #739	$0,9 \times 10^5$	<10	$>99,9$	<10	$>99,9$	<10	$>99,9$	<10	$>99,9$	ISO 16649-2:2001
Staphylococcus aureus ATCC 6538	$1,0 \times 10^5$	<10	$>99,9$	<10	$>99,9$	<10	$>99,9$	<10	$>99,9$	UNI EN ISO 15843-1:2015

ACCIAIO (num. RdP 20LA06216)

CEPPO	TESTIMONE	Campione dopo trattamento di 5 minuti (ulciprovinci)	R %	Campione dopo trattamento di 10 minuti (ulciprovinci)	R %	Campione dopo trattamento di 15 minuti (ulciprovinci)	R %	Campione dopo trattamento di 30 minuti (ulciprovinci)	R %	METODO
Escherichia coli ATCC #739	$1,4 \times 10^5$	<10	$>99,9$	<10	$>99,9$	<10	$>99,9$	<10	$>99,9$	ISO 16649-2:2001
Staphylococcus aureus ATCC 6538	$1,6 \times 10^5$	$5,0 \times 10^2$	$99,7$	<10	$>99,9$	<10	$>99,9$	<10	$>99,9$	UNI EN ISO 15843-1:2015

UVC-MANHATTAN MANHATTANUV

STERILISING TROLLEY



Dimensions

186,5 cm ↗ 40 cm → 35 cm

Lamps

OZONE FREE selective UVC lamps

Power supply 220v or 110v

Electrical absorption 25 watt

TMC reduction

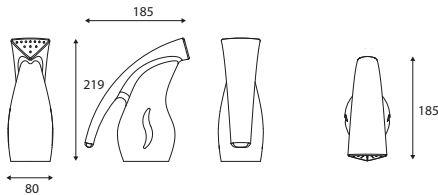
total microbial load 99%

Recommended
treatment time 5 mins.

ARTICLE CODE	COLOUR	COMPATIBILITY
MANHATTANUV	black	universal

ECOSTEAM ECOSTEAM

STEAM STERILISER



Dimensions

121,9 cm ↗ 18,5 cm → 8 cm

Power supply 220v or 110v

Electrical absorption 800 watt

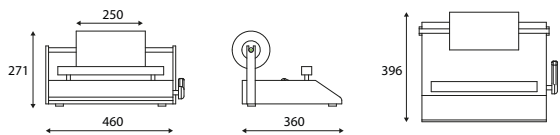
TMC reduction

total microbial load 99%

ARTICLE CODE	COLOUR	COMPATIBILITY
ECOSTEAMBE	beige	universal
ECOSTEAMNE	black	universal

STERYL SEAL N7037

SANITISED INSTRUMENT SEALER



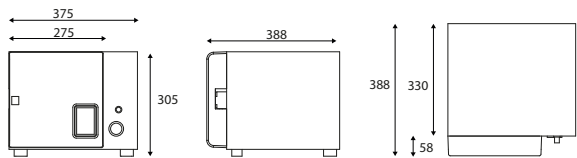
Dimensions
127,1 cm ↗36 cm →46 cm

Power supply 220v or 110v
Electrical absorption 200 watt

ARTICLE CODE	COLOUR	COMPATIBILITY
N7037	white	universal

AUTOKLAVE N7035

STERILISER



Dimensions
130,5 cm ↗38,8 cm →37,5 cm

Lamps
selective UVC lamps

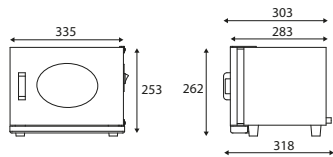
TMC reduction
total microbial load 99%

Power supply 220v or 110v
Electrical absorption 1000 watt

ARTICLE CODE	COLOUR	COMPATIBILITY
N7035	white	universal

HOT CABY SMALL N92711

STERILISER



Dimensions

125,3 cm ↗ 31,8 cm → 33,5 cm

Lamps

OZONE FREE selective UVC lamps

TMC reduction

total microbial load 99%

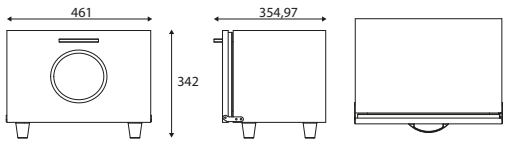
Power supply 220V or 110V

Electrical absorption 200 watts

ARTICLE CODE	COLOUR	COMPATIBILITY
N92711	white / brown	universal

HOT CABY MEDIUM N80231

STERILISER



Dimensions

134,2 cm ↗ 35,4 cm → 46,1 cm

Lamps

OZONE FREE selective UVC lamps

TMC reduction

total microbial load 99%

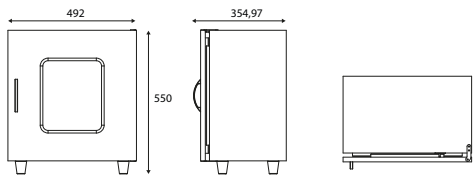
Power supply 220V or 110V

Electrical absorption 260 watts

ARTICLE CODE	COLOUR	COMPATIBILITY
N80231	white / brown	universal

HOT CABY BIG N70231

STERILISER

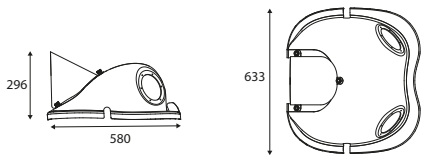


Dimensions 155 cm ↗35,5 cm →49,2 cm	Lamps OZONE FREE selective UVC lamps	TMC reduction total microbial load 99%
Power supply 220V or 110V Electrical absorption 315 watts		

ARTICLE CODE	COLOUR	COMPATIBILITY
N70231	white / brown	universal

GLOBO 6085COV

HOOD FOR WASH UNIT

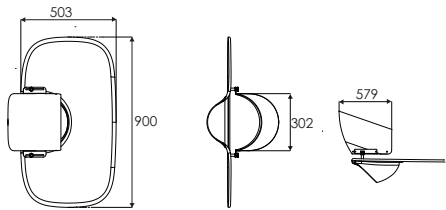


Dimensions 129,6 cm ↗58 cm →63,3 cm		
	Dimensions 129,6 cm ↗58 cm →63,3 cm	
ARTICLE CODE	COLOUR	COMPATIBILITY
6085COV	transparent plexiglass	universal

CHROMA

PALETTE 6080

VISOR FOR WASH UNIT 6080VIS



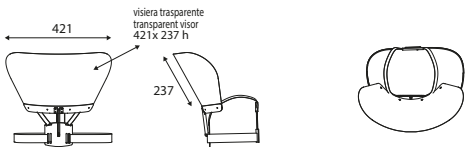
Dimensions

126,31 cm ↗ 50,3 cm → 90 cm

ARTICLE CODE	COLOUR	COMPATIBILITY
6080	hpl black	universal
6080VIS	satín-finished PVC sheet	universal

VISION 6081

PROTECTIVE VISOR BACKPACK



Dimensions

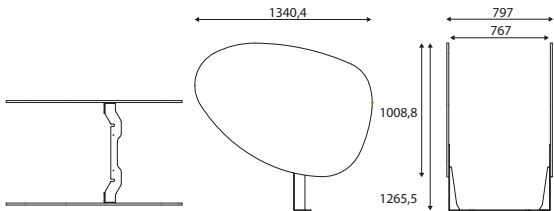
123,7 cm ↗ 15 cm → 42,1 cm

ARTICLE CODE	COLOUR	COMPATIBILITY
6081	transparent plexiglass	universal

TUDOR D 6074

SEPARATOR / DIVIDER

GIOVANNONIDESIGN



Dimensions

1126,5 cm ↗ 134 cm → 0,8 cm

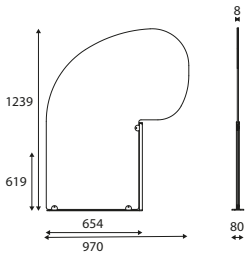
ARTICLE CODE	COLOUR	COMPATIBILITY
6074	Maletti all wood/skay range	universal

TUDOR M

SEPARATOR / DIVIDER

PLEXI 6071

SKAY 6072



Dimensions

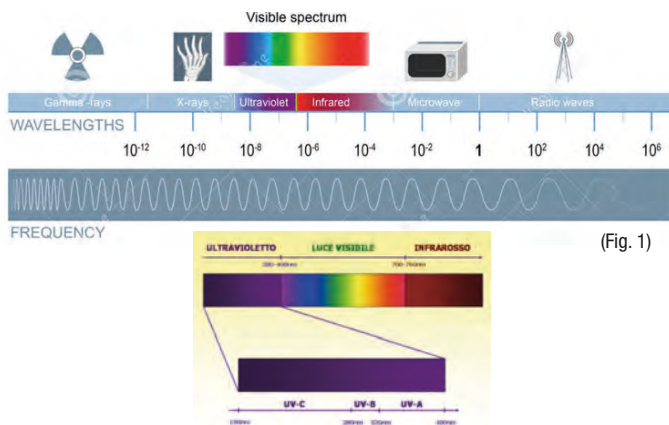
1123,9 cm ↗ 97 cm → 0,8 cm

ARTICLE CODE	COLOUR	COMPATIBILITY
6071	transparent plexiglass	universal
6072	Maletti all wood/skay range	universal

What are UVC rays?

THE ELECTROMAGNETIC SPECTRUM

In the electromagnetic spectrum, ultraviolet (UV) lies between the visible band and X ray emissions, or rather at wavelengths in the range of 100 to 400 nanometres (nm, a millionth of a millimetre, 10⁻⁶mm). This wavelength interval is further divided into UV-A (320-400 nm); UV-B (280- 320 nm) and UVC (100-280 nm) (Fig.1). Each of these frequency bands has shown to cause different reactions on the living organisms onto which they are emitted.



(Fig. 1)

UV - A : 315nm 400nm (tanning properties)

UV - B : 280nm 320nm (therapeutic properties)

UV - C : 100nm 280nm (germicidal properties)

UV-A rays are responsible for the tanning and ageing of skin. 95% of solar radiation that reaches the earth's surface at the level of the equator is of the UV-A type.

UV-B rays damage DNA and cause tissue damage and sun rash.

UV-B rays represent 5% of solar radiation that reaches the equator and are biologically much more active than UV-A rays.

UVC rays are germicidal.

UVC rays are largely absorbed by the atmosphere.

UVC RAY GERMICIDAL FUNCTION

Already early last century, in 1929, experiments demonstrated the antibacterial capacity of UVC ultraviolet rays (1). The absorption of photons in this wavelength band would cause bacterial cells to die (Fig.2). The mode of action has been shown to be the absorption of UVC light photons by the DNA or RNA of micro-organisms.

This absorption causes alterations to the DNA or RNA structure, modifying the structure of the nucleic acid, hindering normal duplication mechanisms and inducing cell death.



Figure 2. Mode of action at the heart of UV disinfection or sanitisation.

Bacteria, viruses, spores and protozoans are subjected to the UVC germicidal action.

More recently, it has also been proved that UVC rays at a specific wavelength of 207-222nm, known as far-UVC, effectively inactivate micro-organisms without damaging the exposed skin.

CAN UVC RAYS PREVENT THE TRANSMISSION OF COVID-19?

The answer to this and other questions can be found in the “IUVA Fact Sheet on UV Disinfection for COVID-19” published by the International Ultraviolet Association (IUVA).

UVC light is widely used, particularly since mercury steam lamps, which have good emission in this part of the spectrum, have become more accessible and are used in systems to decontaminate and disinfect water, air, pharmaceutical products and surfaces to prevent a whole series of human pathogens.

All bacteria and viruses tested up until now (several hundred over the course of the years), including other coronaviruses, respond to UVC disinfection. UV light, specifically between 200 and 280 nm, inactivates (or rather kills) at least another two viral agents that are genetically similar to the Covid-19 virus:

SARS-CoV-1 (the cause of SARS);

MERS-CoV (responsible for Middle East Respiratory Syndrome).

Recent work has also demonstrated the effectiveness of UVC rays on the Covid-19 virus.

As things stand, the use of UVC rays is an effective way to prevent the spread and virulence of the Covid-19 virus.

In particular, the sanitisation of spaces (air, surfaces, work tools) is fundamental in order to contain the pandemic.

to find out more:

1. James Bolton, Christine Colton, The Ultraviolet Disinfection Handbook, American Water Works Association, 2008 ISBN 978 1 58321 584 5, pp. 3–4

2. Parrish JA, Anderson RR, Urbach F, et al. UV-A: Biological Effects of Ultraviolet Radiation with Emphasis on Human Responses to Longwave Ultraviolet, New York, NY: Plenum Press; 1978: cap 1.

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