

Insulated Panels
Europe

Protected by



Kingspan CLEANsafe Decontamination Unit

High Performing, Versatile Decontamination Facility



In these unprecedented times, the safety of all is critical. Ensuring that we protect ourselves as well as the wider society is imperative.

Kingspan Group



More than

50

years experience

Operations in over

100

countries across
the globe

More than

14,000

employees worldwide

Net-Zero by

2020

across all Kingspan
businesses

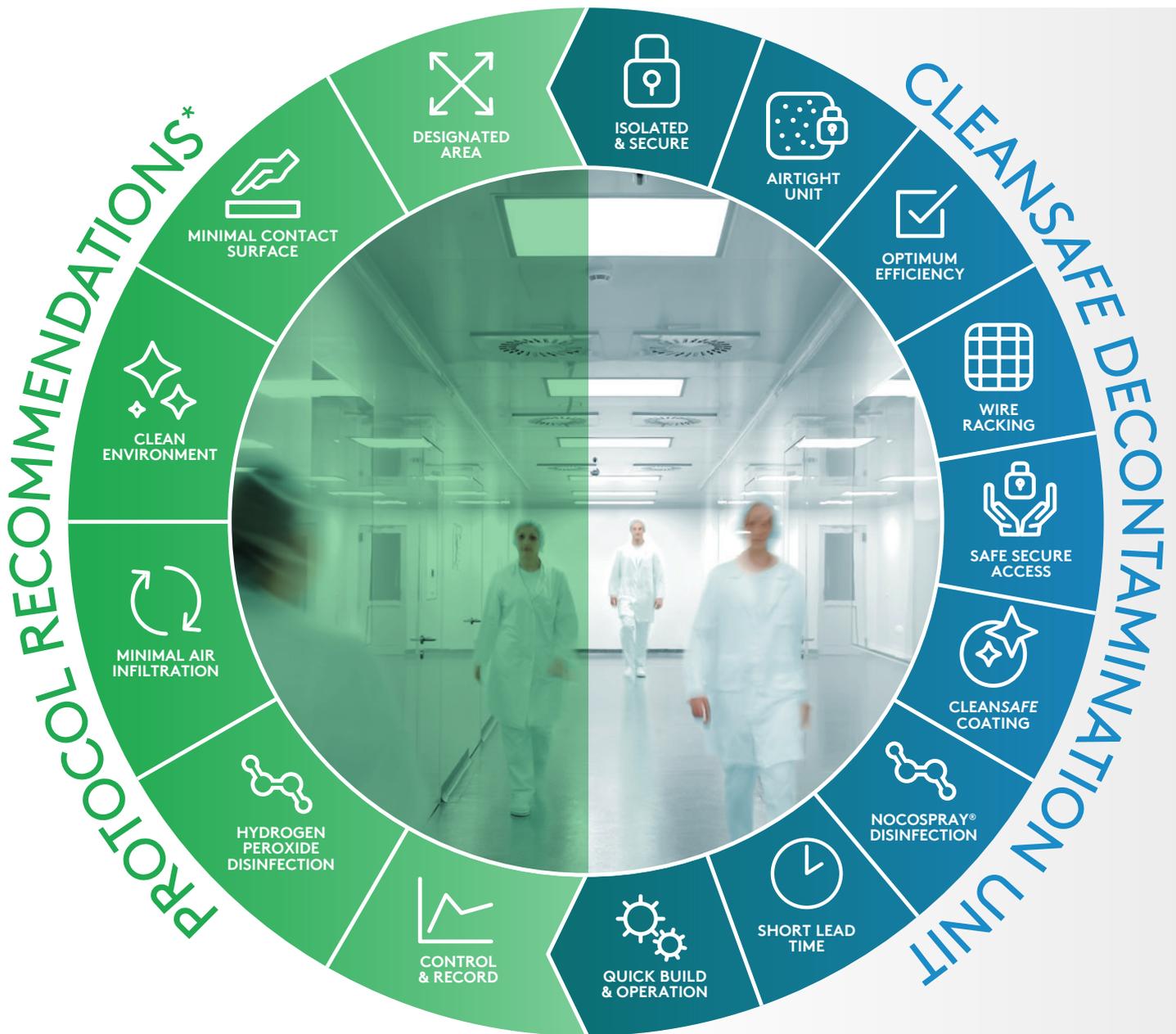
Managing Decontamination

As we move towards a new way of living and working, managing the risk of contamination, and more importantly decontamination, is a subject that is topical.

The use, cleaning and safe disposal of PPE and other equipment, made of various materials, is part of everyday healthcare. Finding the most suitable way in which to reduce risk and protect patients and staff, as well as visitors, is critical.



Creating the Optimum Environment



*Note: Tested and recommended protocols:
https://apps.who.int/iris/bitstream/handle/10665/331695/WHO-2019-nCov-IPC_PPE_use-2020.3-eng.pdf
https://ipac-canada.org/photos/custom/Members/pdf/Nocospray_Decontamination_System-N95_guidance_E.pdf
<https://www.gov.uk/government/publications/covid-19-decontamination-in-non-healthcare-settings/covid-19-decontamination-in-non-healthcare-settings>

Our CLEANsafe systems, in collaboration with Oxy'Pharm, are designed to provide the ideal conditions for the decontamination of a wide range of equipment and materials.

Safe

- › Fully airtight and secure facility - creates a dedicated space to avoid contamination of other buildings / areas.
- › Can be located near incoming goods or away from people's activities to avoid contamination.
- › Activation of the process from the outside of the unit.
- › NOCOLYSE® is biodegradable, non-toxic, non-corrosive, non-allergenic, it leaves no residue and it doesn't develop germ resistance.
- › Safe and secure access with high performance insulated cleanroom door.
- › Specific CLEANsafe coating adapted for regular cleaning of facility.

Efficient

- › NOCOLYSE® has a lethal effect on virus, bacteria, yeast, mould and spores.
- › Excellent airtightness performance ensuring minimal air infiltration and optimum efficiency of the decontamination process.
- › NOCOLYSE® is diffused in the form of gas (particle size: 5 µm) and ensures a perfectly uniform disinfection of the room.

Easy

- › Short lead time, rapidly assembled and quickly operational.
- › All-in-one package: panels, door, NOCOSPRAY® dispenser, NOCOLYSE® products, installation and instructions.
- › Wide range of accessories available, including: wire racks, heating, lighting, access ramps and automated sliding doors.



Kingspan CLEANsafe Decontamination Unit

Available in three off-the-shelf standard sizes or 'on demand' made-to-measure specification, the Kingspan CLEANsafe Decontamination Unit is easily deployed and quickly operational.

KSDU Small



KSDU Medium



KSDU Large



	KSDU Small	KSDU Medium	KSDU Large
Width (m)	2.4	3.9	3.9
Length (m)	2.4	3.9	7.8
Height (m)	2.4	2.4	2.4
Surface (m ²)	5.76	15.21	30.42
Volume (m ³)	13.82	36.5	73
Hinged door (90 x 200 mm)	✓	✓	✓
NOCOSPRAY®	✓	✓	✓
NOCOLYSE®	80 cycles included	60 cycles included	48 cycles included
Installation	✓	✓	✓
Process validation	✓	✓	✓
Training	✓	✓	✓

'On demand' CLEANsafe units can be supplied to customer specific requirements, for size, finishes, doors, accessories and heaters. Contact Isomasters for further information.

Technical Specification

Insulated Panels

Insulated panels offer high performance solutions to fulfil decontamination facility requirements. Engineered joints for minimal air infiltration.

- 60mm thickness.
- Durable, proven interior coating system; Kingspan CLEANsafe 55.
- Camlock connections ensure clean installation.
- Multiplex flooring with with a polymer resin anti-slip finish layer.



Insulated Hinged Door

The insulated hinged door contributes significantly to maintaining consistent conditions within the facility. Assures an airtight seal.

- Clear width 900mm, clear height 2,000mm.
- 60mm thickness.
- Durable, proven interior coating system; Kingspan CLEANsafe 55.
- Safe and secure: includes key and features an emergency button on the inside.



NOCOSPRAY® / NOCOLYSE®

An ionised heat turbine distributes the liquid NOCOLYSE®, a bio-degradable disinfectant based on hydrogen peroxide, in the form of dry fine rain. The NOCOSPRAY® concept allows automatic disinfection treatment of all surfaces in a room with bactericidal, fungicidal, virucidal, yeasticidal, tuberculocidal and sporicidal efficiency (NF T 72 281).

- Fixed to the wall with the canister located outside the diffusion room, this device allows to disinfect the room or the vehicle without entering it.
- Volumes from 10 to 1,000 m³.
- Dry, residue-free disinfection.
- Intuitive operation via touchpad.
- ISO 9001/13485.
- All surfaces are disinfected without any risk of corrosion or oxidation.



Options

Automated Sliding Door

For wide doorways or where there is too little space for a hinged door, a sliding door is the perfect solution.

- Clear width 1,500mm, clear height 2,200mm.
- Durable, proven interior coating system; Kingspan CLEANsafe 55.



H₂O₂ Monitoring

'bioxx1' is a stationary continuous monitoring system for the concentration of hydrogen peroxide in the atmosphere, room temperature and the duration of the pulverizing of H₂O₂. It detects the efficiency of the disinfection (ppm value).



Ramp: Hinged Door

Ramp covered with skid-proof aluminium 5/6.5mm.
Width 900mm, length 1,200mm and height 100mm.



Ramp: Sliding Door

Ramp covered with skid-proof aluminium 5/6.5mm.
Width 1,500mm, length 1,200mm and height 100mm.



Wire Rack

Shelf unit, galvanized. Reduces surface contact for optimal disinfection. Width 920mm, depth 360mm and height 1,810mm.



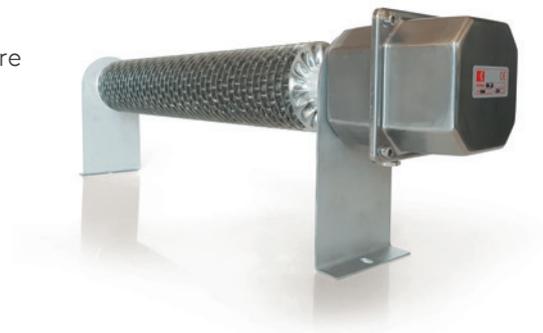
Lighting

LED integrated, waterproof fixture in 1,200mm nominal length. Twin housing, 4800 lumens per fixture. Motion detector (IP54) included.



Heating

Stainless steel 2200W heating unit. Including temperature control and protection. Length 1,500mm, width 105mm and height 195mm.



Collaboration with Oxy'Pharm

For our CleanSpace Decontamination Units, we are working in collaboration with Oxy'Pharm, experts in disinfection and disinsection for over 15 years.

Why Oxy'Pharm?

Oxy'Pharm manufactures and distributes biodegradable devices and products for automated surface disinfection with an environmentally friendly approach.

NOCOTECH, utilised for COVID-19 follows these guidelines also - safe, biodegradable, and both ethically and environmentally sound.

Knowledge and Expertise

Despite the recent nature of the current COVID-19 epidemic Oxy'Pharm have many years of experience dealing with disinfection of viruses, such as avian flu and SARS, across various sectors, including:

- Healthcare
- Dental practices
- Veterinary
- Pharmaceutical
- Food
- Hospitality
- Funeral directors
- Education / community
- Transportation

Trusted by Experts

Oxy'Pharm have an enviable track record with testimonials by medical and industrial individuals who are leaders in their field.

"The device provided a return on investment in 6 months. It saves on material. Previously, when patients were discharged after more than 30 inpatient days, all materials, even unused, present in the hospital room were thrown away, which represented a significant cost. It saved enormous expense and the diffusion of NOCOLYSE® with NOCOSPRAY® is thought very efficient."

Fabienne Coissin, Health Executive,
Lanny-Sur Marne Hospital, France.

"When we discovered NOCOSPRAY® / NOCOLYSE® does as formaldehyde, in the same efficiency for 30 minutes, 1 hour or 2 hours, but without risk of contaminating the staff working nearby, it was an obvious choice. A lightweight device, it offers great flexibility of use - it's easy to move one floor to another and from one unit to another."

Prof. Alain Sarasin, Head of CNRS Research Unit, Gustave Roussy Institute, France.

“We had problems with avian flu, SARS,... and this device was required to control of these pathogens. NOCOSPRAY® / NOCOLYSE® provides additional security for the resuscitation department. We also use it with patients infected with resistant bacteria, and it allows us to limit the spread of the epidemic in the resuscitation unit.”

Marie-Laure Balenca, Nurse,
Lanny-Sur Marne Hospital, France.

Contact Details

United Kingdom

Kingspan Limited

Greenfield Business Park No. 2
Greenfield | Holywell | Flintshire
North Wales | CH8 7GJ

T: +44 (0) 1352 716100

F: +44 (0) 1352 710161

E: info@kingspanpanels.com

www.kingspanpanels.co.uk

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