

Vita



Decontamination unit

3-in-1 system – efficient vapour distribution, process verification and aeration in one unit



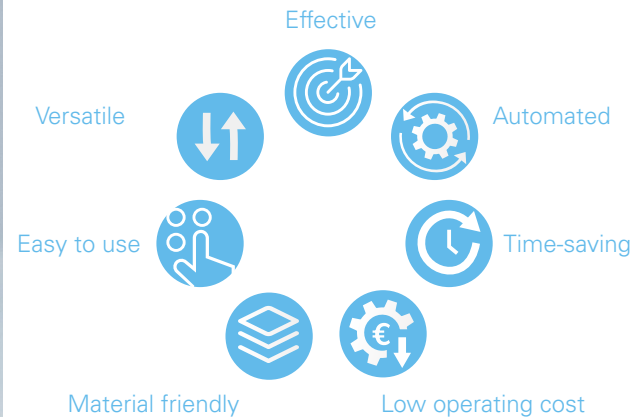
The Halton Vita VDU-750 provides ensured bio decontamination thanks to efficient H_2O_2 vapour production and its complete distribution throughout the space up to 750 m³.

The process is carefully monitored and verified with integrated H_2O_2 sensor technology.

Aeration process with integrated catalyser removes residual hydrogen peroxide leaving the space not only clean and safe but also ready for immediate use.

Hydrogen peroxide biodecontamination process with Halton Vita VDU-750:

- Effective at killing a wide range of microorganisms, including bacteria, viruses, fungi, and spores. H_2O_2 achieves this by damaging the microbial cell membranes and DNA, leading to cell death.
- Effectively distributed hydrogen peroxide by Halton Vita VDU-750 can penetrate porous materials and hard to reach areas, providing thorough disinfection of surfaces and equipment.
- Environmentally friendly - H_2O_2 decomposes into water and oxygen, leaving behind no harmful residues or byproducts.
- Safe with a wide range of materials (metals, plastics, electronics), suitable for decontaminating room surfaces, equipment and sensitive instruments without causing damage.



The Halton Vita VDU-750 uses efficient air circulation for the application of hydrogen peroxide gas, which allows the concentration to be quickly raised and maintained at the desired level for the entire room and then quickly returned to working condition.



Halton Vita VDU-750 uses predefined decontamination programs for different types of areas.

In the first stage of the process, air is drawn through filters on both sides of the unit and the VH_2O_2 is distributed through the adjustable diffuser at the top of the unit.



Halton Vita VDU-750 is equipped with integral sensor and facilitates up to four external sensors allowing verification of complete hydrogen peroxide distribution throughout the space.

When the level of VH_2O_2 in the air reaches a certain level for a certain period of time, the air filtration phase takes place and the air drawn in is cleaned by the filter inside the unit.



The device can be controlled via a touch panel on the device or remotely via tablet.

3-in-1 system – vaporizing, vapour distribution and aeration in one unit

Validation service to optimize the process.

Easy to use, totally automated system

Collection of data for documentation* and verification purposes

*Documentation according to the CFR 21 part 11



Effective - capable of destroying even the most resistant micro-organisms, like bacterial spores at room temperatures and low concentrations.

No risks of human errors – automated system ensures that the decontamination results are consistent

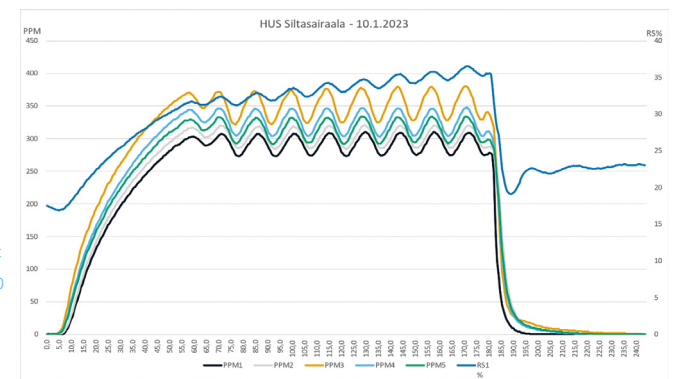
Material friendly, safe even to the most sensitive materials like electronics

Possibility for tailor made integrations to building automation, production machinery etc.

Time-saving, the space is ready to use immediately after the process cycle

Lower operating costs and potential outsourcing cost savings

GMP Annex 1:2022 states that disinfection should include the periodic use of a sporicidal agent – addition of Halton Vita VDU-750 decontamination to traditional chemical disinfection process fulfils this requirement.





- Less manual work with chemicals
- Fast and ensured biodecontamination throughout the space
- Able to handle even multiple spaces simultaneously
- Documentation of validation, verification and decontamination results provided

What makes Halton Vita VDU-750 better than other decontamination devices?

The Halton Vita VDU-750 has been validated in a range of critical environments, proving its effectiveness and versatility. At HUS Meilahti Hospital, it has been tested in operating theatres, isolation rooms, and patient rooms. Additionally,

it has been validated in the BSL3 laboratory at the Department of Virology, University of Helsinki, demonstrating its capability to handle high-containment areas. Furthermore, it has shown its efficacy in a food production industry premises, ensuring safe and clean air in food processing environments.

Areas of applications

- Healthcare
- Pharma-, bio- and medical industry
- Food industry
- University- and research laboratories
- Military sectors



Halton Vita Values

Putting people first

Halton Vita solutions are made for people who depend on them. From laboratory and pharmaceutical professionals to doctors, nurses and their patients, our first responsibility is the safety, comfort and wellbeing of these people and their environment.

Passion for better solutions

We are driven by our customers' needs, and demanding spaces demand better solutions. Halton Vita solutions are designed, produced and delivered to the highest standards of safety, quality and efficiency.

Solving each challenge together

Delivering the best solutions for demanding spaces requires great flexibility, a commitment to continuous development, and close cooperation with our customers. Together, we can ensure that every Halton Vita solution meets the unique demands of your project and the people it serves.

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