



# Vita

Wherever air quality is critical, we take care of every breath you take.

Enabling Wellbeing



**Halton**

# Halton Vita Values

## **Putting people first**

Halton Vita solutions are made for the 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.

# Halton Vita Solutions

## Demanding spaces

- Laboratories in industries, universities and hospitals
- Operating rooms
- Isolation rooms
- Hospital pharmacies
- Patient rooms

## Generic needs

- Ventilation for public spaces
- Outdoor air intake and treatment
- Fire and smoke safety solutions

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## Halton Vita solutions are designed for:

- Maximum safety, reliability, and comfort for professionals and patients
- Optimized energy efficiency with demand-based system operation
- Easy and intuitive system use and monitoring with smart controls and interfaces

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# Halton Vita Services

Services that cover your project from end to end, ensuring the best solution for all of your needs.

|                                          | Laboratories                                                                                                                                             | Operating Rooms | Isolation Rooms | Hospital Pharmacies | Patient Rooms |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|---------------------|---------------|
| Advanced project design & support        | Design of critical space solutions together with end users and project contractors facilitates project management and improves solution quality          |                 |                 |                     |               |
| Pre-validation in Halton Research Center | A cost-effective method of ensuring system functionality and comfortable thermal conditions through full scale mock-ups and CFD calculations             |                 |                 |                     |               |
| Commissioning & performance validation   | Commissioning and validation of the system performance ensures optimal functionality of the solution and guarantees safe conditions for users            |                 |                 |                     |               |
| Live user training                       | End user training provides hands-on experience and know-how to ensure correct usage of the systems, user interfaces and systems management & maintenance |                 |                 |                     |               |
| HEPA filter leakage testing              | On-site services for HEPA diffusers & filters guarantee correct installation and reduce the risk of leakage and space pollution                          |                 |                 |                     |               |
| Annual maintenance program               | Annual maintenance and validation contracts ensure continuous performance of the solution and reduce the risk of possible future failure                 |                 |                 |                     |               |
| User satisfaction survey                 | Halton Survey provides a method for improving user satisfaction with the indoor environment and increase the productivity of work                        |                 |                 |                     |               |

# Laboratory Solutions

Exceptionally safe and efficient workspaces for laboratory professionals.

## **Halton Vita Lab Solo**

The fastest and most accurate airflow management for all types of fume hoods.

## **Halton Vita Lab**

Intelligent and efficient management of laboratory pressure and thermal comfort.

## **Zonal management**

Enhanced system stability with integrated zonal pressure management.

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# Halton Vita Lab

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Integrated room solution provides reliability for laboratory users.

- Room airflow and pressure conditions actively adapt to changes in operations of the fume hoods
- Both room and fume hood conditions are adjusted with the touch screens
- Thermal conditions are maintained with minimum energy usage



Over 30 years of experience in laboratory ventilation. Latest reference examples: Grenoble Institute of Biology, France; NØS hospital, Oslo; University of Bialystok, Poland and University of East Finland.



# Operating Rooms

Hygienic and comfortable environments for patients, doctors and nurses.

## **Halton Vita OR**

Multiple ventilation and filtration solutions for all type of operating conditions.

**Halton Vita OR Space** for whole room ISO 5 (high risk) environment.

**Halton Vita OR Zone** for ISO 5 (high risk) operating area.

**Halton Vita OR Cell** for a clean microenvironment for specialized operations.

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# Halton Vita OR

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New, unique ventilation solution for modern hospital operating rooms.

- Designed and validated for high risk operations (ISO 5)
- Possibility to modify air flow patterns
- Improved thermal comfort for surgical staff
- More energy efficient compared to traditional low turbulent (laminar) ceiling solutions due to smaller air flow needs and system adjustability
- Silent operational environment

Validated for new, ultra-modern Nya Karolinska Solna University Hospital in Sweden – the world largest PPP hospital with LEED Gold certification.



# Isolation Rooms

Safe, controlled and comfortable environments for patients and hospital professionals.

## **Halton Vita Iso**

Integrated solution for sterile care and infectious patient departments.

Pressure conditions management and specialised air diffusion.

Room-to-room and department conditions ensured by one reliable control system.

Air cleaning solutions to ensure hygienic conditions and safe exhaust air.

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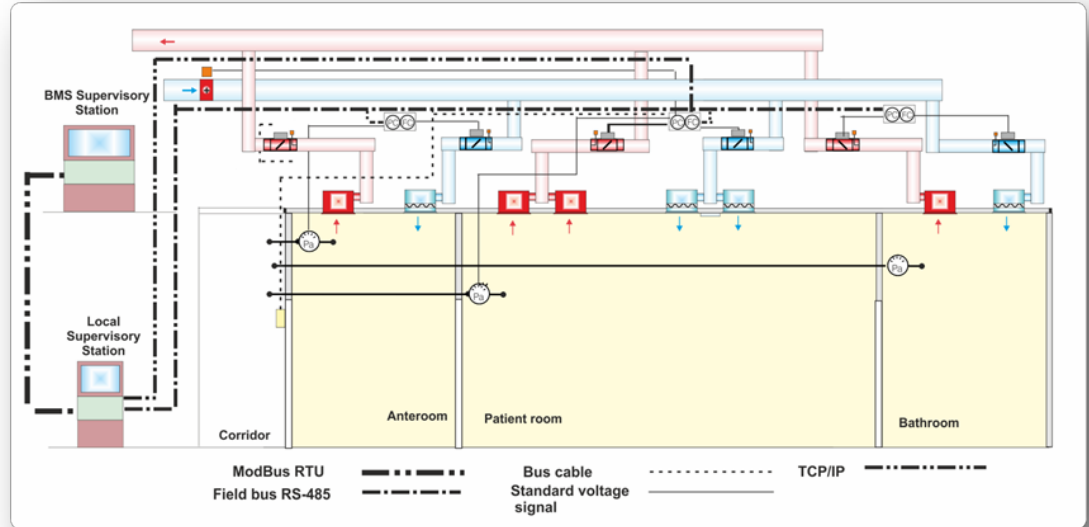


# Halton Vita Iso

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Integrated room solution is driven by system reliability and ease of use.

- All system components, controls and user interfaces from one supplier with proven system reliability
- Visible and audible alarms provides safety for people
- Easy to use interface for nurses
- Clear access to technical building management system



# Hospital Pharmacies

Clean and safe conditions for pharmacy professionals and pharmaceutical procedures.

## **Halton Vita Apo**

Room-to-room pressure and cleanliness management for pharmaceutical manufacturing.

Easy system operation and monitoring from touch screen units and your BMS.

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# Patient Rooms

Stable, silent and comfortable  
healing conditions for patients

Integrated room system for air diffusion  
and thermal conditions management.

Designed for comfort, easy maintenance,  
and adaptability to variable conditions.

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# Generic Needs

High quality solutions from the leader in indoor environments.

Halton delivers a wide range of different solutions for clean, comfortable, safe and energy efficient environments in healthcare and laboratory facilities.

- Room air distribution, cooling and heating for generic spaces
- Fire and smoke safety solutions for ventilation systems
- Hygienic air intake and air cleaning systems and solutions
- Advanced kitchen ventilation solutions

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# Tervetuloa!

Come visit us in our  
Research Center for  
a personal demonstration of  
Halton Vita Solutions.

System mock-ups with data loggers  
and smart controls are now ready for:

- Laboratories
- Operating Rooms
- Isolation Rooms
- Hospital Pharmacy

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# Thank You!