



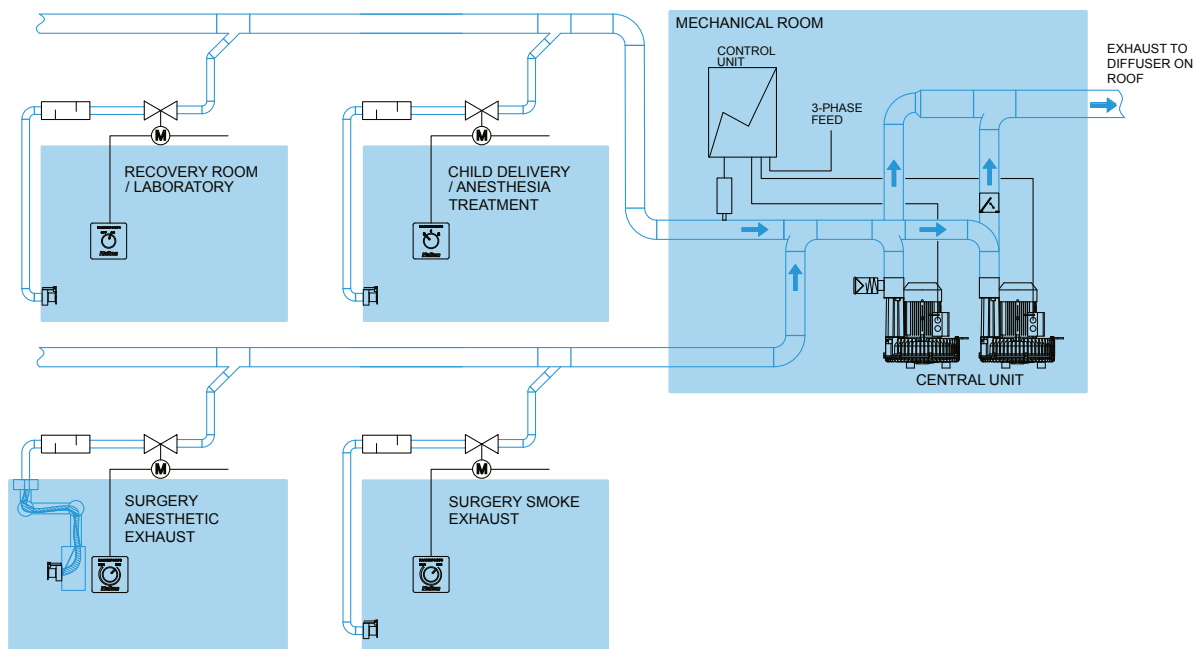
*Vita*

# Gas and Smoke Extraction Solution

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## Solution description

Halton Vita Extract (VEX) is a complete turn-key solution for anaesthetic gas and surgical smoke extraction in medical use. The solution enables a healthier working environment by removing hazardous gases and smoke directly from the source. Vacuum inlets can be connected with a variation of anaesthesia masks or surgical smoke filters to the vacuum system. The system serves multiple inlet points where vacuum airflow can be adjusted individually. Halton delivery consists of design support and complete system delivery including central units, piping, controls, room terminals and system commissioning and start-up.






## All from one supplier

**Halton is the leading expert for operating room air quality including solutions for microbial cleanliness, occupational health and work comfort.**

Halton Vita Extract solution is designed to meet your specific needs:

- Design support, complete system delivery, commissioning and fine-tuning
- Indication of operational status available
- Reliable and ensured performance
- Made of high quality components which tolerate cleaning and continuous heavy usage
- Minimal maintenance needs even on continuous operation
- Periodic verification and maintenance program

# Halton Vita Extract

	 HALTON VEX SINGLE			 HALTON VEX DUAL			 HALTON VEX SECURE		
Model type	VEX/S	VEX/M	VEX/L	VEX/S	VEX/M	VEX/L	VEX/S	VEX/M	VEX/L
Redundancy percentage of airflow values / Number of blower motors	Redundancy 0 % 1 motor			Redundancy 50 % 2 motors simultaneously when full airflow			Redundancy 100 % 2 motors alternately		
Nominal Motor power	2.2 kW (4.4 A)	4.0 kW (7.6 A)	5.5 kW (10.1 A)	4.4 kW (8.8 A)	8.0 kW (15.2 A)	11.0 kW (20.2 A)	2x 2.2 kW (4.4 A)	2x 4.0 kW (7.6 A)	2x 5.5 kW (10.1 A)
Maximum air volume @ -50/-100/-150 mbar pressure	280/250/ 215 m³/h	440/400/ 360 m³/h	677/617/ 557 m³/h	560/500/ 430 m³/h	880/800/ 720 m³/h	1354/1234/ 1114 m³/h	280/250/ 215 m³/h	440/400/ 360 m³/h	677/617/ 557 m³/h
Unit weight	126 kg	162 kg	180 kg	185 kg	257 kg	323 kg	185 kg	257 kg	323 kg

## Halton Vita Extract solution's general features

Motor drive method	Need based, energy efficient variable speed drive with frequency controller
Vacuum measurement by	Differential pressure transmitter
Vacuum power level	Constant vacuum pressure, set between 50-150 mbar
Redundancy function	All components duplicated, a weekly alternation between motors
Maintenance needs	Minimal, even on continuous operation
Materials	Steel, all components are sturdy industrial quality
Airflow control method	Valve with the actuator, D50mm metal ball valve with flow control disc / Manual valve, D50mm PP diaphragm valve
Vacuum piping	Plastic
Suction inlet options	<ul style="list-style-type: none"> <li>White, nylon frame, screw on mounting</li> <li>Metal, stainless steel frame, screw on mounting</li> </ul>
Control panel options	<ul style="list-style-type: none"> <li>2-step (OFF-ON)</li> <li>3-step (OFF-LOW-HIGH)</li> <li>Stepless (0-100%)</li> </ul>
Performance indication to user. Based on actuator position	<ul style="list-style-type: none"> <li>Indicator LED on control panel               <ul style="list-style-type: none"> <li>– blinking when changing</li> <li>– steady light when set level reached</li> </ul> </li> </ul>



Suction inlet



Control panel



Vita

# 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.

[www.halton.com](http://www.halton.com)