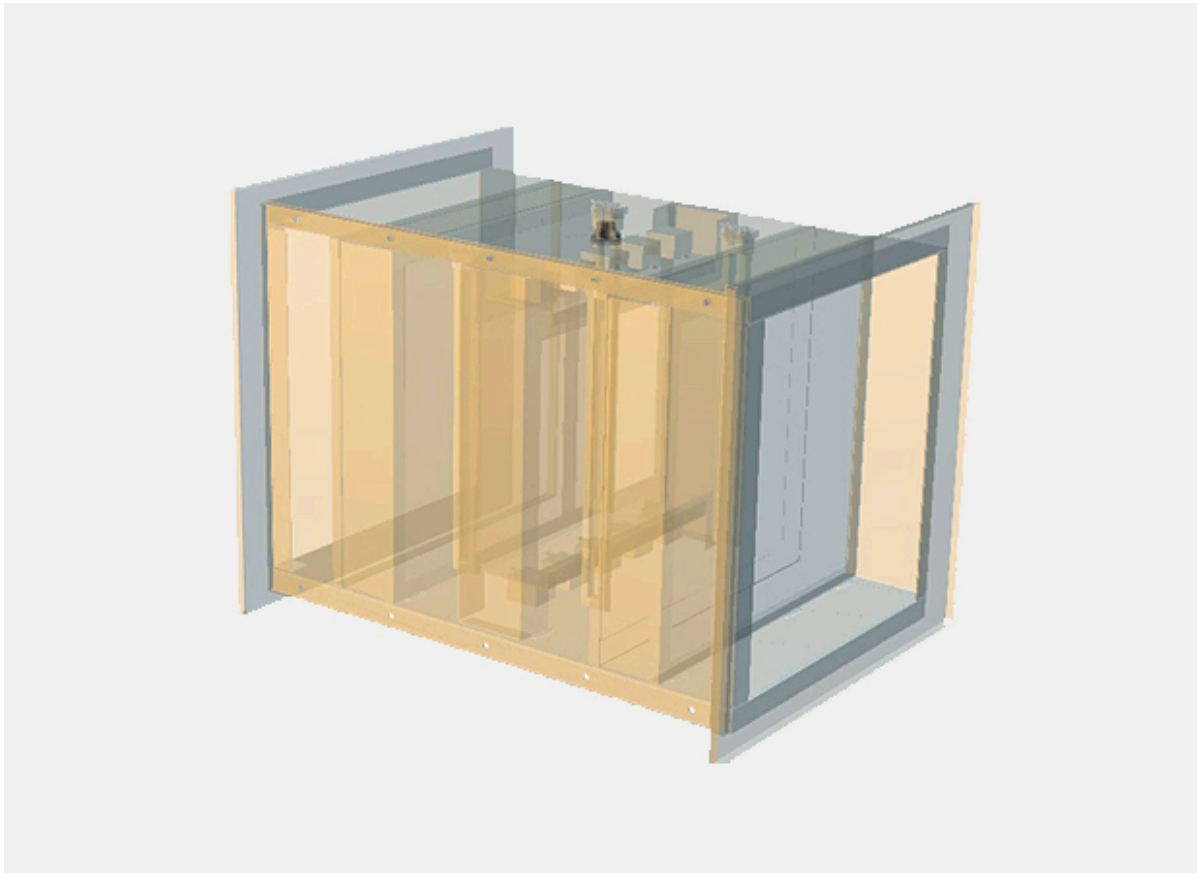


Halton Quattro Aero – Four Stage Air Purification Unit



Overview

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Features and Benefits ^

- Halton Quattro Aero is highly efficient – four stage – air purification unit that is to be installed as a part of existing or new ventilation system. The unit purifies indoor air by eliminating microbes (viruses, bacterias, spores).
- Four stage filtration includes: Bi-polar ionization, UVGI light, filtering, photo-catalytic oxidation. Note: patented process
- No need to drastically increase the fresh air amounts on board – due to Halton Quattro Aero air purification capabilities. A quick payback time.
- Low pressure loss makes it easy to install to existing systems
- Scalability allows to handle even large air volumes
- Standard unit airflow app. 1500 m³/h/unit
- The standard unit size is 460x480mm and lenght 710 mm without installation flanges. Weight appr. 40kg. Power consumption/requirement? 180W.
- Controller always included

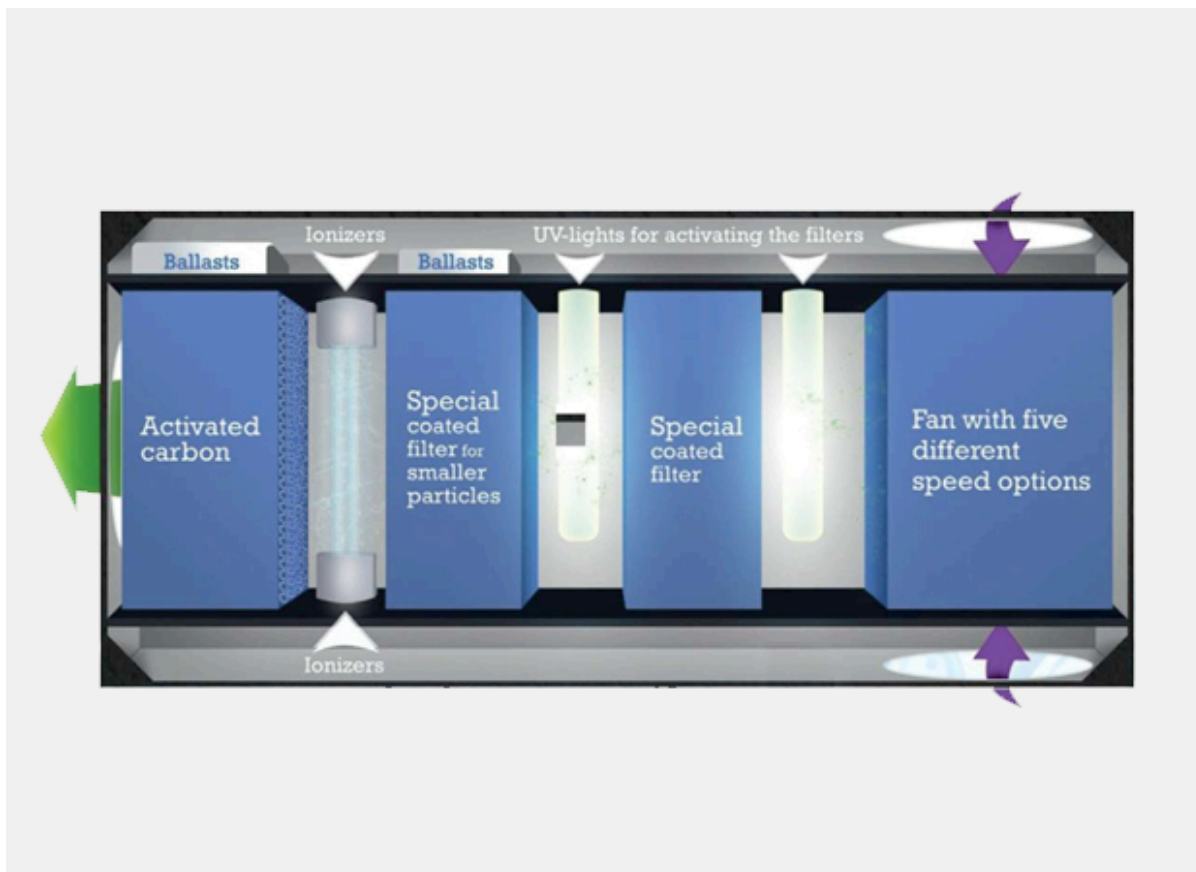
- IoT as an option for remote monitoring, managing large number of units, service cycle monitoring
- Minimum service cycle 12 months. Easy maintenance.

Operation principle

The air passing through the UV-lights is charged with massive amount of ions. Additional ions are created by ionizer cassettes. Together with a small concentration of ozone they produce extremely reactive hydroxyl radicals. In the beginning the oxygen molecule gets a negative charge in photochemical reaction receiving a free electron forming a superoxide anion.

The formed superoxide anion reacts further with humidity producing oxygen, perhydroxyl radicals and hydroxyl radicals. Hydroxyl radicals oxidize organic molecules.

Additionally, due to the UV-lights reaction, hydroxyl anions (OH-) and hydroxyl radicals are created which are both very antiseptic.

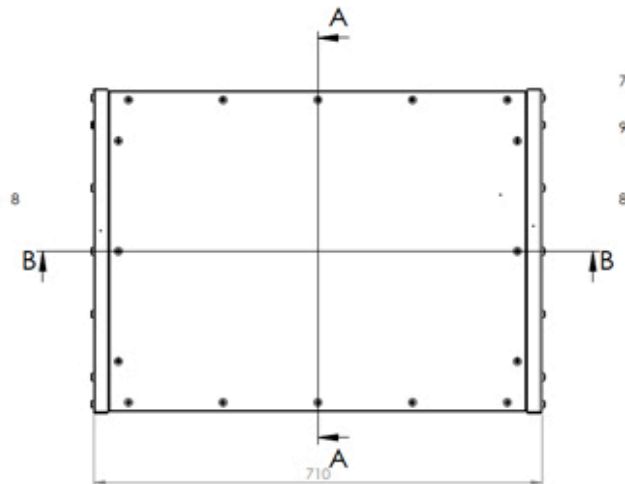
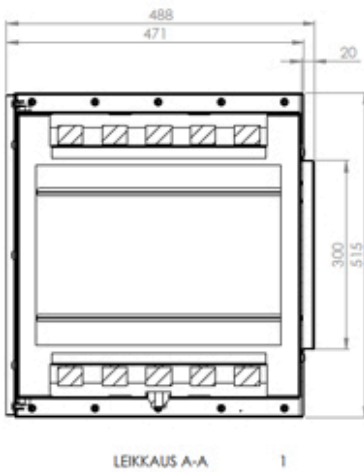


- Four stage filtration includes: Bi-polar ionization, UVGI light, filtering, photo-catalytic oxidation. Note: patented process

Dimensions

The weight of each unit is appr. 40 kg. 460x480mm and length 710 mm without installation flanges.

Modular design available as an option.



3rd Party Testing Report

Multiple tests show that Halton Quattro Aero works against:

- Virus
- Bacteria
- Fungi/spores
- Gas (VTT 2019)
- Microparticles
- Zero ozone emissions

- Single pass cycle with min. Log 2 (>99%) deactivation

Third party test reports available on request. Please fill out the below form.

Free download (PDF)

Halton Quattro Aero Test reports

- First name*

- Last name*

- Company*

- Phone*

- Email*

- State

- City

- Country*

- Subject

- Message

- CAPTCHA

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