

Halton – Central vacuum cleaning and information security solutions



Halton - your partner from design to maintenance

Halton designs, manufactures, and markets central vacuum cleaning equipment, systems for ensuring information security, and tailor-made systems for industry and trade.

1. Design:

We design the systems in collaboration with the customer, taking the entire life cycle of the building into consideration.

4. Use of the building: All systems we deliver come with a warranty. We also take care of the servicing and maintenance of the systems.



2. Building:

- Central vacuum cleaning systems
 - Systems for the construction stage
 - Systems for buildings that are in active use
- A shredder – vacuum cleaning system to ensure information security
- Industrial solutions.

3. Commissioning:

We deliver technical equipment as turnkey installations, or the various components and devices according to specific plans.



Museum of Contemporary Art Kiasma:
Halton Pro central vacuum cleaner



Nokia: Halton Protect vacuum shredder



Hotel Scandic Simonkenttä: Halton Pro central vacuum cleaner



Kemin Energia: Halton industrial central vacuum cleaning system

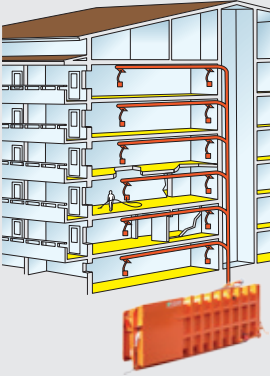





Housing company As Oy Vantaan
Musketööri: Halton Conti central vacuum cleaning system for the construction stage



Passenger ship the Tallink Galaxy:
Halton Pro central vacuum cleaner

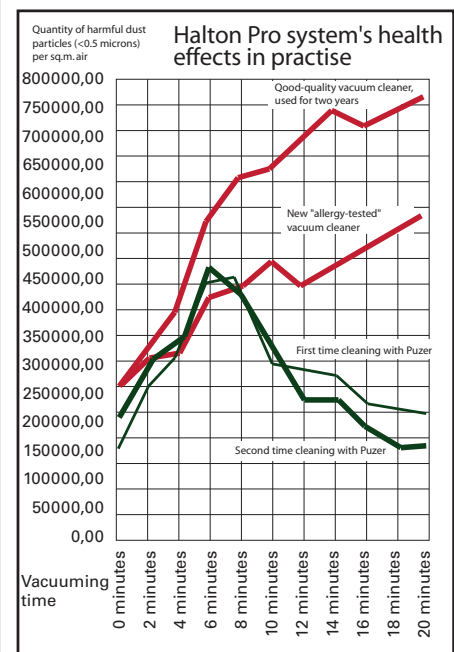
Central vacuum cleaning and information security solutions

Halton Conti	Halton Pro	Halton Protect	Halton Process
Vacuum cleaning system for the construction stage	Central vacuum cleaner	Vacuum shredder	Industrial local exhaust systems
			

Benefits of Halton's central vacuum cleaning system:

- **Health benefits:** removal of microscopic dust particles, which are detrimental to the health (exhaust air is filtered and directed out).
- **Improved hygiene:** efficient dust removal.
- **Unnoticeable operation:** quiet and odour-free use.
- **Safety and information security:** day-time cleaning of offices without disturbance to office operations.
- **Reduced cleaning costs:** increased vacuum cleaning efficiency and up to 50% faster cleaning in comparison to traditional vacuum cleaners.
- **Savings on ventilation costs:** purified room air, reducing the need to clean ventilation ducts and extending filter life.
- **Ecological option:** devices that last for the building's entire life span and have a low cost of operation.
- **Savings in production:** help with keeping production facilities clean, ensuring fast and easy cleaning of machines and equipment, and removing impurities from processes.

The system can be installed in most existing buildings.



The study was conducted by Dr. I. Lindgren, Helsinki University Hospital/Allergy Hospital

Central vacuum cleaning systems

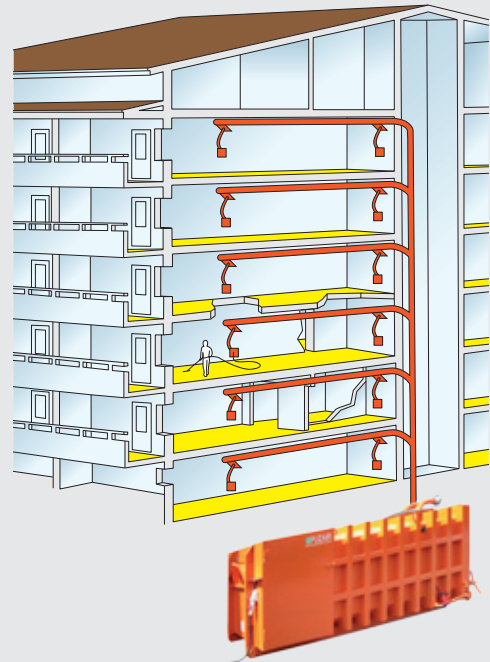
Vacuum cleaning at the site as part of hygiene management

A central vacuum cleaner brings cost savings and makes the cleaning of construction sites efficient, as dust is removed right at the source and transmitted via pipelines directly to a waste collector. The system is also in accordance with the Government Decree on the Safety of Construction Work, 205/2009.

Central vacuum cleaning is a key part of a systematic mode of operation:

- Coarse vacuuming is performed before casting of the overlay
- Draught is prevented when the windows have been installed
- Vacuum cleaning is done when separating walls are installed
- Cleaning is done prior to instrumentation
- Maintenance cleaning is performed prior to hand-over cleaning
- Finally, hand-over cleaning is performed

The system can be utilised throughout the building's life.



A central vacuum cleaner for real estate

Cleaner indoor environment

A central vacuum cleaner does not spread micro dust, which is detrimental to the health, in the indoor air. It has been proved to be the only efficient method of removing micro dust from indoor spaces.

Efficiency and cost savings

Increase the efficiency of vacuum cleaning and make cleaning up to 50% faster than with traditional vacuum cleaners. It is more efficient to remove micro dust with a central vacuum cleaner than via the building's ventilation ductwork. The benefits of a central vacuum cleaner are emphasised in ecological buildings.

Sustainable development

The equipment lasts for the building's full service life. It also increases the value and productivity of the property.



Vacuum shredder systems

A vacuum shredder conveys shredded paper through pipes to a central unit, which might be, for example, a wastepaper receptacle or skip container / trash compactor.

Information security and cost savings

The shredders are connected to a negative-pressure network in which the shredded paper is mixed in such a way that that data security of DIN3-class shredding output is 100%; DIN3, the smallest recyclable shredding waste, reduces the need for transport to one fifth of the usual.

The system lasts for the building's entire life cycle.

Indoor air purity

The shredder does not release hazardous micro dust to the indoor air.

It can be installed in most existing buildings, as well as in new construction.



Industrial solutions

Halton Process

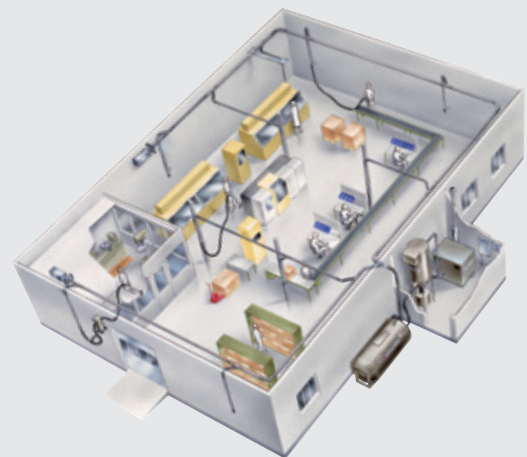
Process negative-pressure systems are used to solve problems in industry caused by dust, gases, and other impurities.

The system is also used to transfer and separate industrial materials.

Fields of application

Process systems have been supplied for, among others, the following applications:

- cleaning systems
- elimination of edge strips
- elimination of cuttings and other residue at publishing houses
- removal of sawdust directly from machines and workbenches
- local exhaust systems for materials and gases in production processes
- transfer separation of sand and oil at wagon depots
- dust removal at power plants.



Halton – enabling well-being in indoor environments

Halton is a family-owned company specialising in indoor climate products and solutions and in indoor environment services. Halton's aim is to create safe, comfortable, and energy-efficient indoor environments that have a sustainable life cycle.

Halton delivers solutions for applications ranging from public and commercial buildings to industry, commercial kitchen, and restaurant uses. The company is also among the most esteemed providers of indoor climate solutions for marine and offshore applications. Halton's areas of expertise and product ranges cover air diffusion, air-flow management, fire safety, kitchen ventilation, and indoor environment management.

Halton has operations in 23 countries. The company has its headquarters in Finland, Malaysia, and the United States, and the production facilities are in Finland, France, Germany, Hungary, Great Britain, the United States, Canada, China, and Malaysia.

Halton Puzair Oy
Nöykkiöpuro 19
02300 Espoo
www.halton.com