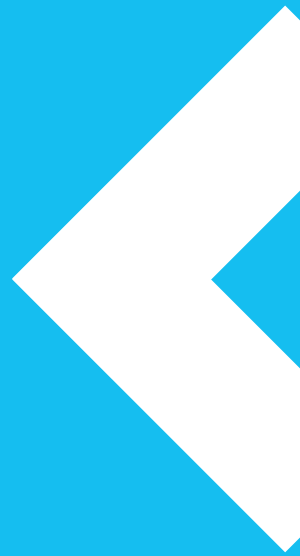


idealair  
group

# Halton

Product Range



# Halton

## Product Range

**Halton is a global brand that is present in 35 countries world-wide and is a global technology leader in indoor air solutions for demanding spaces.**

**Halton are well recognised and highly regarded in the HVAC industry for designing and manufacturing indoor environment solutions for:**

- **Commercial and public buildings**
- **Healthcare facilities and laboratories**
- **Professional kitchens and restaurants**
- **Energy production and heavy industry environments**
- **Marine vessels**

# *Halton*

The brand's global presence has seen Halton products included in over 400 airport projects, with 360 million people breathing Halton air while transferring through terminals each year. Halton's competence and expertise provides innovative ventilation solutions that produce a high level of air quality and cleanliness.

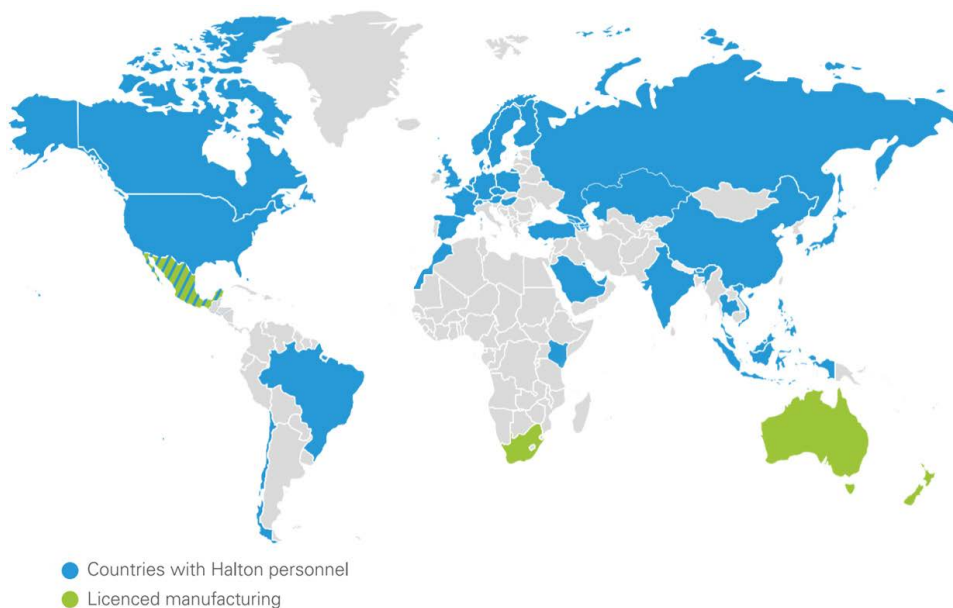
# History & Global Dimensions

Established in Finland during 1969 by Seppo Halttunen, Halton still remains a family owned company by the Halttunens.

The company's headquarters are located in Finland's capital city Helsinki, with Halton production facilities in nine other countries and research and development performed in eight of them.



*First Halton office*



*Countries with Halton personnel and licenced manufacturing*

# Idealair Group & Halton



Idealair Group is proud to be the newly appointed distributor of Halton products, with a joint focus on exceeding customer expectations through the highest quality and most advanced product range. The Halton range from Idealair Group enables a safe, comfortable and productive indoor environment that is energy-efficient and complies with sustainable principles.

Idealair Group's Halton range includes HVAC products for:

## **Room air conditioning**

- Chilled Beams
- Diffusers and Plenums
- Displacement Ventilation
- Grilles and Plenums
- Transfer Grilles
- Valves

## **Air flow management and outdoor intake**

- Air flow management dampers and controllers
- Measurement units
- Non return and pressure relief dampers
- Outdoor louvres

## **Fire and smoke safety**

- Fire dampers and valves
- Smoke control dampers

This is a great opportunity for two industry leaders to collaborate, work together and introduce a well-engineered range of product into the Australian market.

## ➤ Active & Passive chilled beams

### ➤ Halton Rex 600 (RE6) – Chilled beam

- Adaptable active chilled beam for integrated installation.
- Combined heating, cooling and supply air unit for flush installation within a suspended ceiling.
- Suitable for offices and meeting rooms.



➤ [View more info](#)

### ➤ Halton CBD – Chilled beam

- Combined cooling heating and supply air unit for ceiling installation.
- Several ducts and water pipe connection combinations available.
- Narrow structure.



➤ [View more info](#)

### ➤ Halton Rex Expander (RXP) – Chilled beam

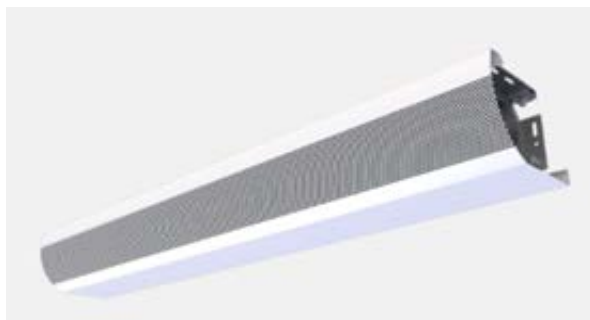
- Active chilled beam with 4-way air distribution.
- Throw pattern expanded to corners, which ensures pleasant room conditions with high cooling capacities.
- Suitable for cooling and ventilation in offices, hospital rooms, and schools.



➤ [View more info](#)

## ➤ Halton CaBeam – Chilled beam for exposed wall installation

- The active chilled beam system incorporates fins to help heat and cool.
- The system is effective to the point where outdoor air can be mixed with the indoor air without any traditional air conditioning, allowing the building to meet its “minimum outdoor air” air quality requirements.
- Requires less energy to achieve the same heating and cooling effect as a traditional HVAC system.



➤ [View more info](#)

## ➤ Halton CPT – Passive chilled beam

- Ceiling-mounted passive chilled beam.
- Suitable for spaces with high cooling loads, low humidity load and low ventilation requirements.
- Typical applications include offices, conference rooms and retail facilities.



➤ [View more info](#)

## ➤ Halton CPA – Passive chilled beam

- Modular convector for mounting flush or below ceiling plane.
- Individual/multiple beam control.
- Suitable for offices, conference rooms, retail, hotels and healthcare environments.



➤ [View more info](#)

# ➤ Displacement Ventilation

## ➤ Halton Zen Circle (ZCI) – Displacement ventilation unit

- Capacity for wide supply air flow range.
- The air flow is patterned for 360 degrees of diffusion, enabling large air flow rates, with low residual velocities in the occupied zone.
- Circular duct connection with an integrated rubber gasket on the top/bottom.

➤ [View more info](#)



## ➤ Halton Zen Circle (ZRE) – Displacement ventilation unit

- Uniform supply air distribution is achieved through small perforations, providing optimal conditions in the immediate proximity of the diffuser.
- Low velocity air is supplied horizontally at the floor level.
- The unit can also be installed flush with the wall.

➤ [View more info](#)



## ➤ Halton Zen Corner (ZCO) – Displacement ventilation unit

- Suitable for installation in the corner of a room; the air flow pattern is diffused at an angle of 90 degrees.
- Large air flow supply range.
- Circular duct connection with an integrated rubber gasket on top/bottom.

➤ [View more info](#)



## ➤ Halton JRF – Floor diffuser

- Rectangular diffuser for floor installation.
- Ducted or connected to pressurized under-floor plenum chamber.
- Suitable for auditoriums, theaters, concert halls and classrooms.

➤ [View more info](#)



## ➤ Air Diffusers

### ➤ Halton DKS – Square multi-nozzle diffuser

- Square diffuser with aesthetic design and adjustable throw pattern.
- Supply air jet velocity is efficiently reduced due to the high mixing effect.
- Radials swirl and vertical air patterns are also possible.
- Directional nozzles with a two-slot air path efficiently deflect the airstreams.

➤ [View more info](#)



### ➤ Halton DTR – Square perforated diffuser

- Available for supply and exhaust.
- Installed either directly to the ductwork or to the balancing plenum.
- Designed for integrated installation with suspended ceilings.
- Circular duct connection with rubber gasket.

➤ [View more info](#)



### ➤ Halton Jaz Conical VAV (JDS) – Conical diffuser

- Integrated balancing plenum with measurement and adjustment functions.
- Designed for systems with constant static pressure ductwork system.
- Suitable for demanding office conditions.
- Effective sound attenuation.

➤ [View more info](#)





## ➤ Air Diffusers

### ➤ Halton Jaz Linear VAV (JLS) - Linear diffuser

- Designed for systems with constant static pressure ductwork system.
- Horizontal or vertical plane jet air supply.
- Special profile diffuser blades create the Coanda effect which enables a wide range of air flow rates.
- Suitable for demand-based control system.

➤ [View more info](#)



### ➤ Halton TSA - Swirl diffuser

- Suitable for heating and cooling applications.
- High induction swirl jet ensures efficient mixing and fast reduction of air velocity.
- Horizontal radial or vertical compact swirl jet air supply.
- Specially designed for large and high spaces.
- Installation using plenum or directly to ductwork.

➤ [View more info](#)



### ➤ Halton Vita VHH - HEPA diffuser

- Suitable for hospitals and cleanrooms.
- Radial, swirl or low turbulent flow pattern.
- Air supply through adjustable nozzles or perforated front panel.
- Designed to be equipped with H14 class HEPA filter with gel gasket.

➤ [View more info](#)

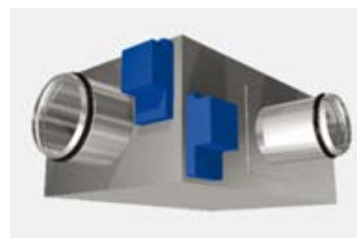


## ➤ Air flow management dampers

### ➤ Halton HFD – Air flow management damper

- Control damper for variable and constant air flow control applications in dual duct systems.
- Tight shut-off operation at closed damper position.
- Pressure-independent operation.
- Galvanized steel construction with insulation.
- Includes sound attenuation.

➤ [View more info](#)



### ➤ Halton Max One Circular (MOC) – Air flow management damper

- Circular air flow management damper for a wide variety of standard VAV applications.
- Materials and components are proven to meet demanding long-term requirements.
- Suitable for both supply and exhaust installations.
- Connection sizes between 100mm and 630mm.

➤ [View more info](#)



### ➤ Halton RMC – CAV Air flow management damper

- Mechanical CAV damper with the self-balancing operation.
- Constant air flow damper without external power supply.
- Large operating range, from 50 to 600 Pa. Can also be supplied with an operating range up to 1000 Pa.
- Galvanized steel design.
- Models can be with or without insulated casing.

➤ [View more info](#)



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