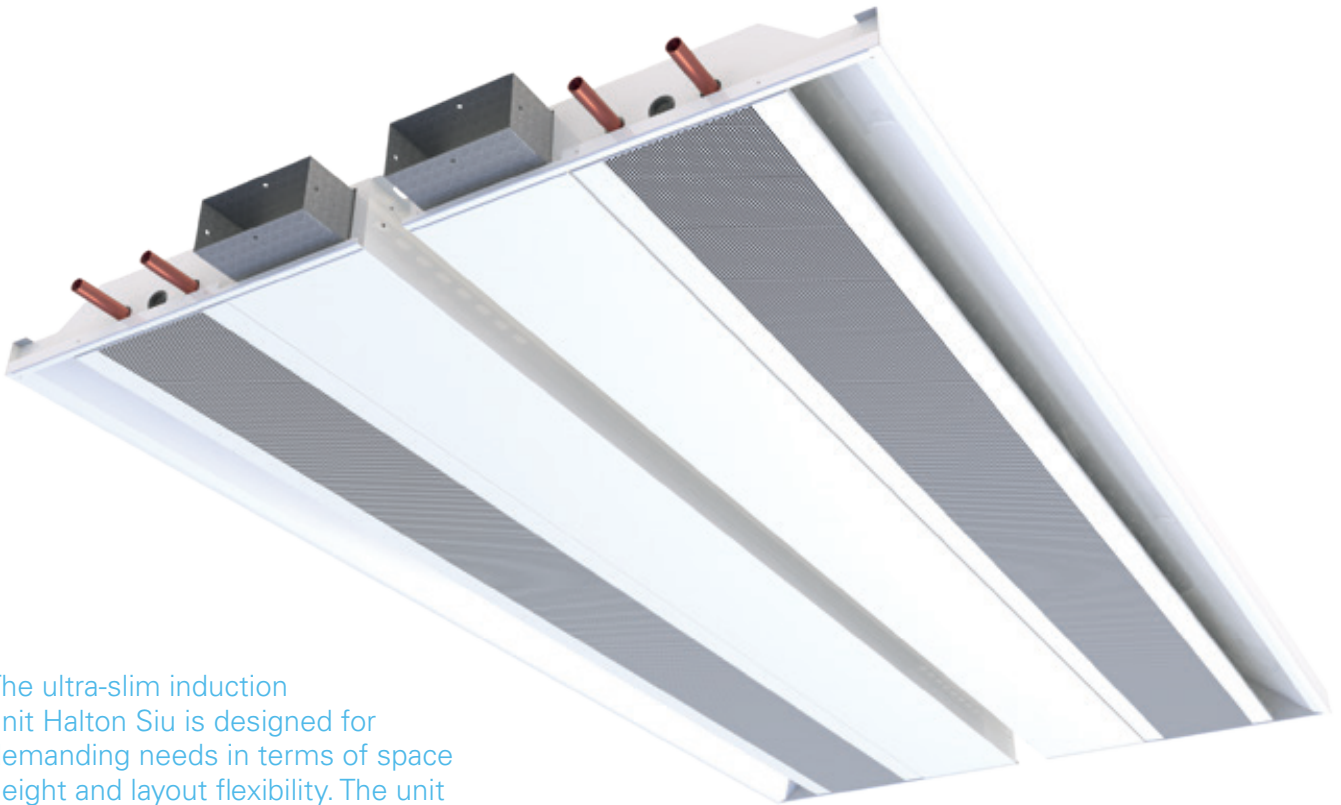




Halton Siu

Maximal layout flexibility

Halton Siu



The ultra-slim induction unit Halton Siu is designed for demanding needs in terms of space height and layout flexibility. The unit operation guarantees occupant comfort and excellent air quality in all operating modes thanks to flexible airflow control and heating/cooling capacity.

Halton Siu easily adapts to changing user requirements and operating conditions, reducing workspace churn costs. Demand-based Halton Vario control enables automatic comfort control based on changes in activities (occupancy, CO₂ and temperature readings).

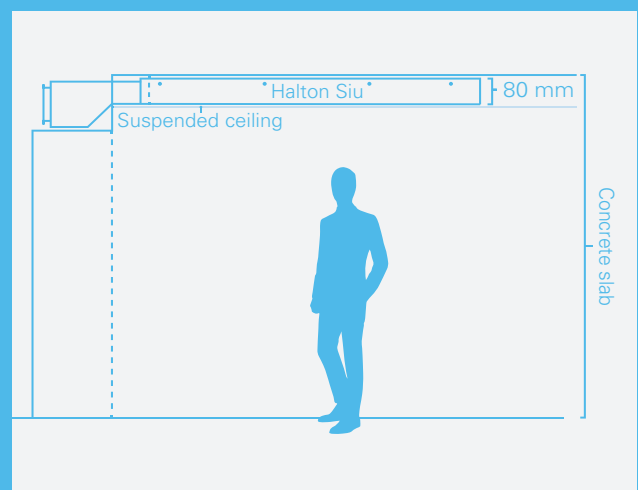
Halton Siu consists of two independent unidirectional induction units, providing fresh conditioned air to the space. The ultra-thin unit is only 80 mm high.

Each module is configured and factory programmed to offer accurate thermal control and comfortable air distribution within the space. Other building services such as lights or blinds may be integrated to the unit control.

The perfect solution for refurbishments with limited space height.

Office space refurbishment is a growing trend in many European markets. Limitations such as space height often apply to old building structures.

Halton Siu offers the perfect solution for space refurbishments as well as new construction projects where room height is limited.



Halton Siu

Standard applications:	offices, open-plan offices, meeting rooms
Height:	80 mm
Length:	1200, 2400, 3000 mm
Width:	450 mm (900 mm in pairs)
Air inlet spigot:	130 x 60 mm
Pipe connection:	12 and 15 mm diameter
Coil length:	total length -300 mm
Airflow rate adjustment:	manual or motorized
Halton Velocity Control (HVC):	yes



Le Greenelle office refurbishment with Halton Siu system, Paris, France.
Building certified as BREEAM Good.

Layout flexibility with Halton Siu



Office environments are constantly transforming to better meet the changing needs of occupant organisations. With increasing churn rates, the importance of space flexibility has turned into a key factor in real estate investment decision making.

Frequent renovation and alteration is often one of the highest operating costs of a building and may result in costs up to 330–2 000 €/person/year (CIBSE). Reduced HVAC renovation costs associated with layout changes offer major savings potential.

Halton Siu offers complete space layout flexibility for office spaces thanks to its unique design. Meeting rooms, phone booths and open-plan offices may be located anywhere in the building without compromising the comfort of occupants or fresh air supply.

The unit design is based on two independent unidirectional induction units with supply flow

on both sides. The design allows construction of partitioning walls between the induction units, dividing the unit operation over two blocks.

Halton Siu is suitable for modular design, installation and control. Modifying the ventilation module in response to new partition layouts only requires remote adjustment of the building management system (BMS) without need to access the terminal units.

The modular design reduces commissioning, installation and maintenance cost as well as energy consumption thanks to the demand-based control. System operation is controlled based on occupancy data as well as indoor climate conditions such as temperature and CO₂ readings.

Halton Siu is a sustainable solution for transient office environments. Flexible airflow adjustment guarantees occupant comfort at all times.

Perfect for conditions for inner zones

Buildings have typically inner zones or underground zones without access to natural light. In those spaces, the artificial lighting is the only source of light and impacts space user's circadian rhythm, health and productivity significantly.

Halton SIU with integrated circadian Skylight luminaire from Light Cognitive is designed provide good temperature and excellent visual acuity and comfort. Use of high-quality circadian lighting helps to maintain circadian rhythm, improves sleep quality and impacts mood and productivity positively.

Skylight luminaire creates a feeling of a window through the ceiling – without the need for a top floor room and cutting through the roof. The recessed installation gives a convincing result – it feels like having a real skylight in the room. The solution makes the room feel more spacious and fills it with light that follows the normal daily rhythm.

The combined solution is perfect for spaces with low space height and promotes fast construction cycles as it combines ventilation, cooling and heating as well as general lighting and needed sensors into one, factory-made solution.

Feel the difference.

Come and experience the solution live at our showroom in the centre of London.



About us

Halton is passionate about indoor environments. We offer business-enhancing products, systems, and services for comfortable, energy-efficient, and safe environments to customers who value people's wellbeing. Halton is involved from target-setting to facility use and focuses on creating positive indoor environment experiences for people.

Contact us at:
www.halton.com

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