

Cabin ventilation revolution starts now!

Lower investment
and operational costs
More comfort

Halton

Chilled beams for cabins

Halton chilled beam system is an air conditioning system for cooling, heating and ventilation in spaces where good indoor climate and individual space control are appreciated.

The chilled beam system is an air/water system that utilizes the heat transfer properties of water and provides excellent indoor climate conditions with good energy efficiency.

Chilled beam systems are designed to use the dry cooling principle, operating with conditions where condensation is prevented by system design and controls. Structure and operation of the products is designed so that filtering of recirculated air is not needed.

Operation principle



Halton CaBeam - ceiling installation

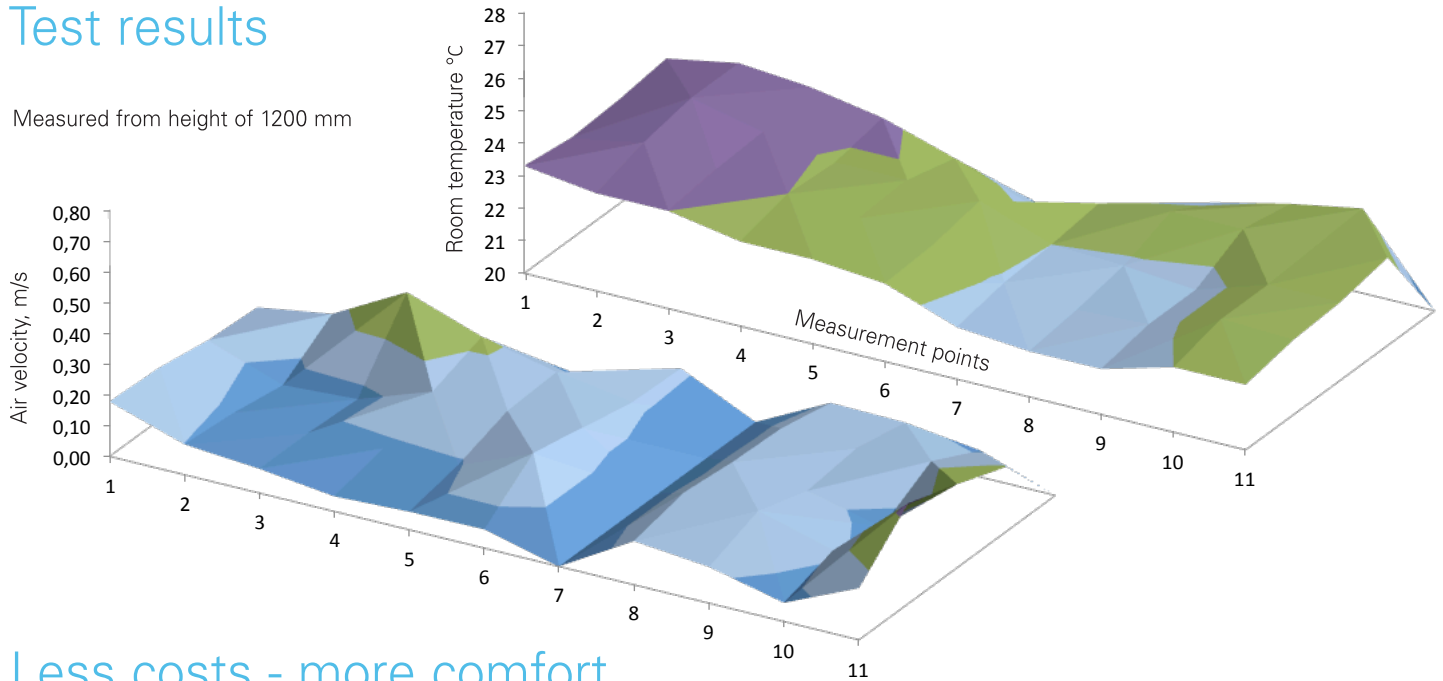


The efficient mixing of chilled beam ventilation system results in uniform air quality. Supply air is diffused from only one side (cupboard or exposed installation) or linear slots on both sides (integrated in ceiling) of the chilled beam.

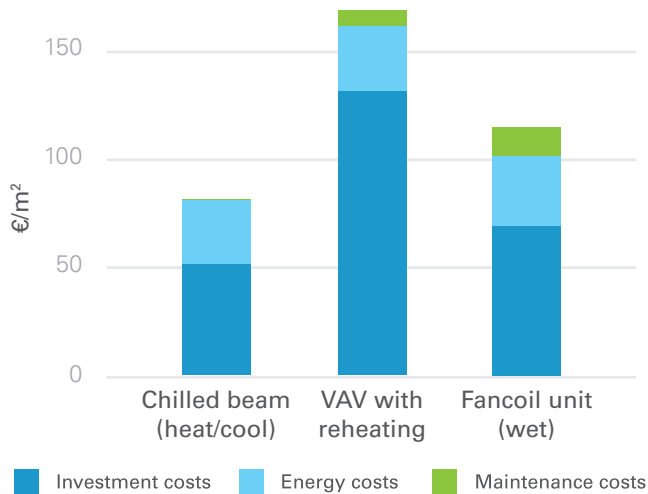
Chilled beams use the primary air to induce and recirculate the room air through the heat exchanger of the unit, resulting in high cooling capacities and excellent thermal conditions in the space without a fan.

Test results

Measured from height of 1200 mm



Less costs - more comfort



Halton Marine chilled beam system for cabins

- Low life-cycle costs compared to VAV and fancoils
- No filters to be changed, no fan maintenance; no electrical consumption of the fan
- Dry cooling coil; no condensate collection system
- Comfortable, stable cabin conditions with individual control of temperature and indoor air quality
- Lighting, speakers or other building technology equipment can be integrated to the beam
- Draught free also in maximum cooling load conditions
- Ultra low sound levels

Main office and factory

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About us

Halton Marine

Halton Marine, one of the world's leading suppliers of marine HVAC, develops, manufactures and markets reliable, high-quality ventilation solutions specifically designed for shipbuilding, oil & gas, energy and naval applications. Our track record includes deliveries to over 150 major cruise ships, 200 oil & gas projects and 100 naval vessels.

Halton Group

Halton Group specializes in indoor environment solutions, ranging from public and commercial buildings to foodservice facilities. Founded in Finland in 1969, Halton operates today in over 30 countries around the world, with annual sales of €205 million and 1500 employees. The company has production facilities in Brazil, Canada, China, France, Finland, Germany, Hungary, Malaysia, Norway, United Kingdom and USA.

Enabling Wellbeing

Halton