

New Aqu@beam Chilled Beams

High air comfort and energy efficiency with Aqu@beam chilled beams

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Low energy
consumption

Aqu@beam Chilled Beams are Airwell's latest innovation in terms of water terminal units. The active chilled beam units provide high air induction able to cool, heat or vent.

Designed for commercial applications such as offices, open-spaces, hotels and hospitals, Airwell's new Aqu@beam chilled beams provide a complementary offer or alternative to fan coil units – especially when energy consumption is an important criteria. Due to their operating mode, Aqu@beam do not require a fan motor which allows significant energy savings. Furthermore, as they use cool water with a temperature of 14 to 18°C, a drain pan for condensates is not necessary either.

Operating mode

With Aqu@beam active chilled beams, the primary air is supplied by the air handling unit and then ejected from the chilled beam through its nozzles. Due to the Venturi effect creating a vacuum in the tube, ambient air is induced when the primary air gets ejected. The ambient air travels through the coil, mixes with the primary air and is cooled or heated accordingly. The air mix is then distributed outside the chilled beam, horizontally and in parallel to the ceiling using the Coanda effect which provides very comfortable air diffusion.

User friendly
High comfort

Aqu@beam is designed for installation as hi-wall models or for integration into standard suspended ceilings. Their maximum length is 3 meters which makes it possible to meet any requirements of designers for providing air comfort in residential and commercial buildings.

Airwell Group

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The airflow of Aqu@beam is very low (< 0.2 m/s) and can be adjusted through nozzles of various sizes according to the users' requirements and the applications. As no fan motor is required, Aqu@beam chilled beams are particularly silent adding to the high personal comfort of the users.

An additional benefit of Airwell's Aqu@beam is the very limited service requirements as there are no filters and no drain pans to clean.

About Airwell Group

The Airwell Group has 4 production sites world wide, some 2,500 employees and is represented in over 100 countries through more than 170 sales agencies. In 2008, the company achieved a turnover of more than 519 million US\$, 75% of it in Europe. The Airwell Group is one of the leading companies in the field of air conditioning, headquarter in Guyancourt, close to Paris. The most important brands in the company portfolio are AIRWELL, ELECTRA, FEDDERS and WESPER.

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