

Energy efficient EU units selected for striking new Belgian development



Fläkt Woods has delivered specialist air handling units fitted with heat recovery and meeting the exacting requirements of a prestigious new office building currently rising out of the heart of the Belgian city of Leuven.

■ FACTS

Customer:

The contractor Interbuild

Need:

Air handling units that meet the needs of the contract – total flexibility allowing different sizes and functions to be combined to meet virtually any air handling requirement.

Solution:

10 of Fläkt Woods EU air handling units.



Energy efficient EU air handling units from Fläkt Woods

Interbuild, the contractor on the project, specified Fläkt Woods EU air handling units as they meet the precise needs of the contract - total flexibility allowing different sizes and functions to be combined to meet virtually any air handling requirement.

The new 43000m² building is located in the famed Martyr Square, where its modern design is a striking contrast with the neo-classical buildings bordering the square.

EU units for energy efficiency

Designed for customers with high demand on quality and energy efficiency, the 10 EU units have been optimised for thermal and acoustic requirements.

They have also been fitted with hygroscopic thermal wheels for energy efficiency. The wheels are capable of transferring sensible, as well as latent energy, and have the advantage being able to conveying moisture. This means that in winter they will add humidity to the supply air and in summer, will remove moisture away from the supply side. Using these wheels alone can reduce the latent load on a chiller, saving energy and reducing running costs.

Quiet Air Terminal Devices

A range of air terminal devices is also being supplied, which are up to 9dBA quieter than most other mixing systems. They also simplify installation as there is no need to remove ceiling tiles during commissioning.



The New building

With a transparent 5m high glass base, supporting the 5 new buildings, the contemporary structure connects directly to the train station. A façade of granite and glass will give each building a distinctive look and a different colour with a total length of 300m and width of 30m. Under its glass base, an enormous underground car park is being constructed for 700 cars. Other parking floors will house 5,000 bicycles.



The EU range

The EU range offers all needed functionality and high degree of flexibility. The sturdy frame members and corner pieces form a very stable framework which is well suited to the full range of sizes.

Fläkt Woods Group

Fläkt Woods is a global company providing solutions for ventilation and air treatment for buildings as well as fan solutions for Industry and Infrastructure applications.

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