

Hoval's new TopVent® range for undisturbed hall operation

Hoval has launched a new range of TopVent® decentralised roof ventilation units, specifically designed to meet the needs of modern logistics operations, production halls and retail 'sheds'. Building on the popularity of the tried-and-tested TopVent units, this new range is especially suitable for applications where undisturbed operation within the building is of paramount importance.

To that end, the new units are installed completely from the roof onto prefabricated roof sockets and prepared roof ducts. This means that the only work required in the building is hydraulic and electrical connections.

Moreover, all serviceable components can also be accessed from the roof, so that regular maintenance and service work can be carried out without disturbance to the activities below. Thus, maintenance is easier to schedule and downtime is avoided.

The six versions offer circulating air or supply air heating/cooling, each with two output sizes, thereby covering all requirements. Different device types can be combined with each other, thereby extending Hoval's well established zone-based control concept.

The inherent flexibility of the units enables even further customisation to meet project requirements. For example, through optimised control functions, outside air can be used for free heating and cooling when external temperature conditions allow. A further benefit is that if the layout of the space below is changed it is very straightforward to reconfigure the ventilation units to ensure optimum performance is maintained.

TopVent decentralised systems ensure that each space – or each zone within a large space – can be controlled independently of other units in spaces/zones. In this way, different activities, variable occupancy patterns and changes in usage are all addressed. The ability to adjust ventilation rates to the actual demand within each space (demand-controlled ventilation) minimises running costs without compromising on comfort.

Hoval TopVent® units are also designed to protect people below from draughts by using air injectors that distribute supply air at different temperatures. The air distribution pattern can be changed automatically and is infinitely variably between vertical and horizontal.

Decentralised ventilation units are becoming increasingly popular because of the advantages they offer over traditional ductwork-based system – in term of capital and lifecycle costs, energy efficiency and flexibility. With the launch of these new TopVent® units, building operators now have even more choice in maintaining comfortable conditions for staff and optimum conditions for stock and machinery.

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