



PARASOL ZENITH CHILLED BEAM

Enhanced design with integrated VAV capability

Why VAV Chilled Beams

The chilled beam system already is one of the most comfortable, quiet and energy efficient systems available. Using high performance energy recovery ventilation units, like the Swegon GOLD, primary air is sent directly to the beam with no recirculation, reducing potential cross contamination. Including heat recovery chillers further improves the energy efficiency and makes the site carbon neutral.

Traditional chilled beams operate as two-way throw, constant volume devices. By integrating variable primary air flow right into the chilled beam the whole HVAC system is further enhanced. The airflow can be varied based on temperature, CO₂, humidity or occupancy. Demand Control Ventilation or DCV is based on CO₂ or occupancy level and can deliver excellent indoor air quality while saving up to 14% energy annually.

The capacity turndown range is increased from 3 to 1 to 10 to 1 allowing the system to match the needs of the space for improved comfort now and into the future.

A VAV chilled beam system can offer dynamic dehumidification control. The primary airflow rate can vary based on the humidity in the space, which improves thermal comfort and manages any condensation issues.

By applying diversity and downsizing the air handling unit and ducting in a VAV chilled beam system, significant first cost savings can be achieved.

Using chilled beams with integrated VAV greatly increases the capacity and airflow range over an externally mounted VAV box, while also saving the additional cost.

**PARASOL Zenith
System with
integrated VAV
and optional
Belimo actuator.**





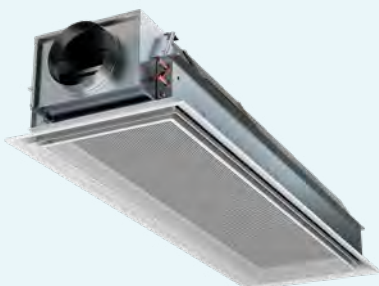
PARASOL Zenith



PARASOL Zenith is the latest addition to the PARASOL family. It has been developed to handle large variations in the supply air flow rate, cooling and heating loads. With its wide working range, the possibility of tenant adaptations increases without the need of making extensive changes in the system as a whole.

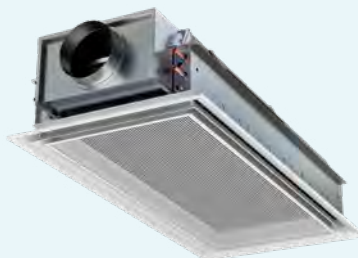
The unique variable nozzle design allows the capacity to be changed with a turn of a knob. Add an actuator and the unit becomes VAV without the need of a VAV box. With its low weight, its compact dimensions and optional air connections on short or long sides, PARASOL Zenith is also easy to install.

PARASOL Zenith 1800



2 x 6

PARASOL Zenith 1200



2 x 4

PARASOL Zenith 600

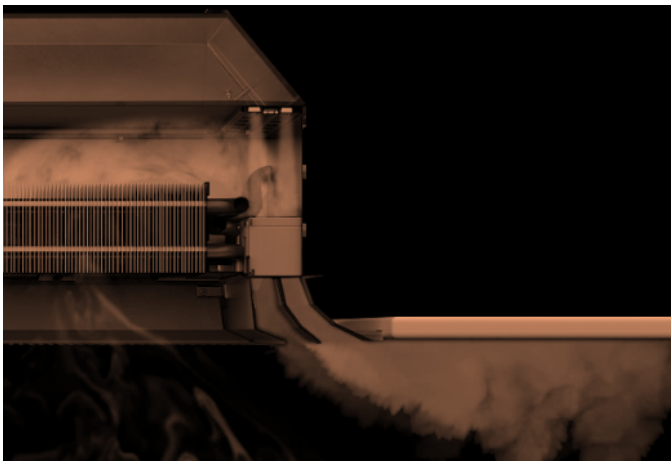


2 x 2

PARASOL Zenith

PARASOL Zenith is available in 3 sizes: 2 x 2, 2 x 4, and 2 x 6. The PARASOL 2 x 6 offers construction savings while the 4-way airflow control still delivers superior comfort.

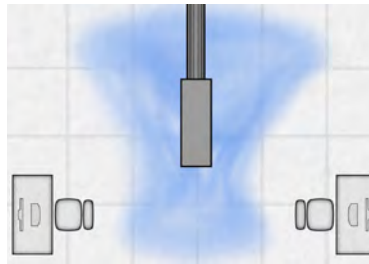
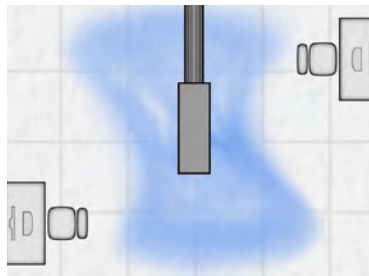
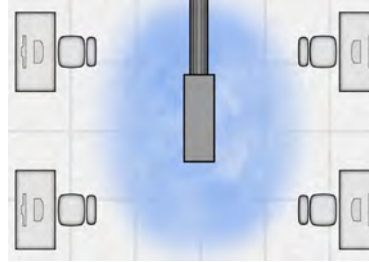
Zenith duct connections are available on any side to simplify duct installation, reduce cost, sound level and pressure (energy) loss.



Standard double slot diffuser delivers coanda effect over a wide range of airflows for optimum thermal comfort.



Anti-Draft Control on all four sides.



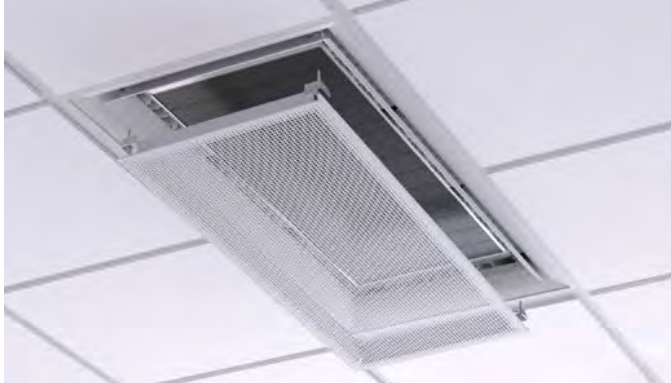
PARASOL Zenith's 4-way airflow with Anti-Draft Control (ADC) delivers superior airflow control for optimum thermal comfort.

The built-in adjustability makes future changes to the space easy to accommodate.

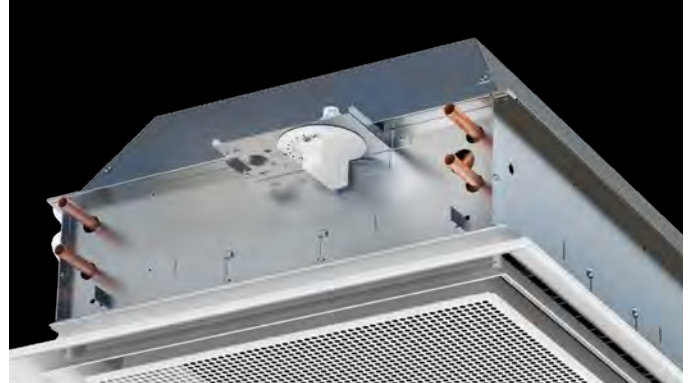


Air connections can be on the sides or end to simplify ducting connections, reduce energy loss, save time and reduce cost.

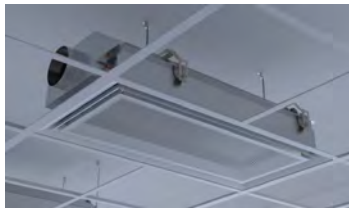
PARASOL Zenith



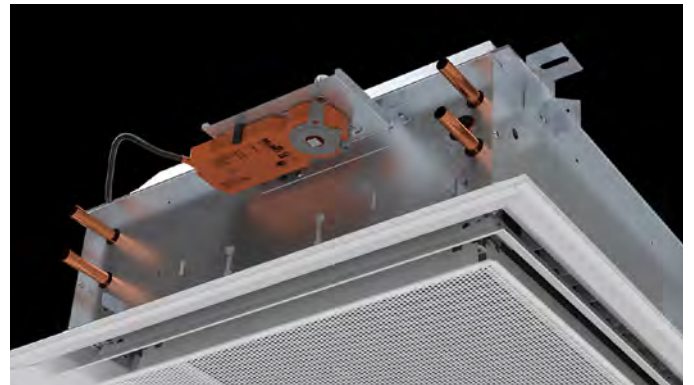
The face plate of the PARASOL Zenith chilled beam can easily be removed without tools for cleaning and inspection.



In constant airflow applications (CAV), the PARASOL Zenith variable nozzles can be set quickly during commissioning and easily adjusted in the future for changes in space use.



The optional hanging bracket offers faster installation saving both time and cost. Low profile allows beam to be installed with ceiling grid in place.



By adding an actuator the PARASOL Zenith goes from constant volume to VAV Chilled Beam. There is no need for a VAV box.



The optional hygiene design with drop-down coil allows coil cleaning from both sides for critical applications such as healthcare.

PARASOL Zenith



A, B PARASOL Zenith application in suspended ceiling. Wide range of ceiling and grid options including metric and imperial.

C PARASOL Zenith application in open ceiling concept with optional coanda wings.

D PARASOL Zenith in a cloud application



PARASOL Zenith Chilled Beams are Eurovent certified for performance and UL 1995 listed for safely delivering peace of mind.

Feel good **inside**

