

Topwelltech

Access Floor Systems for Data Center

Airflow Management

Data Centre Cooling Optimisation

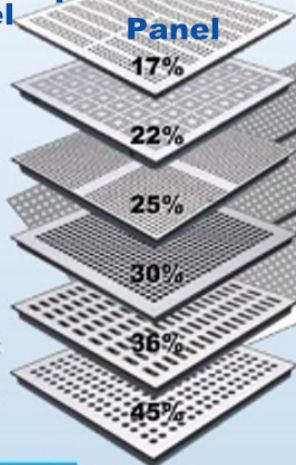
Topwell standard and high-density airflow panels cater to all Data Centre cooling needs. A full range of airflow panels suitable for both new and retrofit applications that help Data Centre cooling optimisation.

G Perforated Panel

Topwell all-steel perforated panels option range from 17% to 45% open area.

- ❖ Fits most hollow and cementitious infilled steel bolted stringer systems.
- ❖ All-steel structure conductive epoxy powder coated for corrosion resistance.
- ❖ Anti-static High Pressure Laminate / Conductive vinyl finish.
- ❖ Factory fitted surface adjustment control damper option available.
- ❖ Available in 600mm and 610mm square.

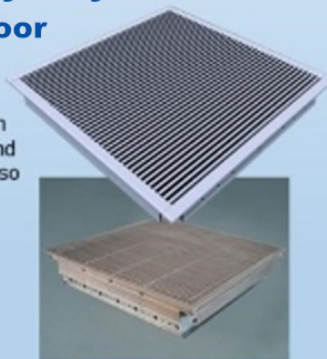
Topwell Perforated Panel



H Topwell Heavy Duty Aluminium Floor Air Grille

High-density airflow floor grille fabricated entirely from aluminium extrusions is designed to withstand heavy loads. Custom sizes are also available.

- ❖ High airflow volume.
- ❖ Standard aluminium brushed finish.
- ❖ The floor grille enhances air distribution performance.
- ❖ Customisable.



I Aluminium Grate High-Density Airflow Panels

- ❖ Die-cast aluminum panel.
- ❖ Lightweight, high static load performance of 6.5kN.
- ❖ High airflow volume of 55%/56% and 68% directional airflow.
- ❖ Improves overall cooling capacity allow additional IT equipment without capital investment on infrastructure.
- ❖ Compatible and interchangeable with hollow and cementitious panels of any 600mm bolted stringer systems.

J Topwell Temperature Control VAV Damper

- Automatically opens and closes the damper to adjust the amount of airflow maintaining constant cooling to the IT equipment.
- ❖ Multi-loop PID control system.
- ❖ Power disruption fails safe to open position.
- ❖ No maintenance required.
- ❖ Quick and easy installation.
- ❖ High precision, quick response temperature measurement.
- ❖ Robust design for high reliability.

K Topwell Air Boost Fan System

- Topwell Air Boost Fan System comes in a single fan and four fans modules. It is designed to provide a blast of cooling through a single directional airflow panel. The single fan unit is capable of cooling up to 25kW (18kW 4 fans unit) of IT load at .1" H₂O making it an ideal solution for dealing with Data Centre's toughest hot spot.
- ❖ Effectively eliminate hot spots.
- ❖ Easy installation.
- ❖ Prevents expenditures for new cooling capacity to mitigate hot spots.
- ❖ Variable fan speed drive with temperature control sensors.
- ❖ Multi-loop PID control system.
- ❖ No maintenance required.
- ❖ Multiple control options are available.

