

VENTILATED CEILING

Avante entire range of filtration technologies is available in a ventilated ceiling configuration.

Each project is studied to provide a turnkey solution that helps to optimize the airflows, the zoning, and the lighting requirements.

The ventilation is achieved by allowing extract air to pass through the extract section in the ceiling with the help of extract fans or ecology unit. Treated make up air is introduced through the low velocity perforated supply diffusers.

APPLICATION

- Avante-VC is designed with high-efficiency filtration capabilities and superior fire safety
- Avante-VC is well-suited to:
 - All types of commercial buildings, such as offices, schools, and healthcare facilities.
 - Huge production kitchens as the flight catering
 - FOH kitchens

CUSTOMIZATION

- Ceiling Wall to Wall
- Dimensions vary according to layout requirements

MAINTENANCE

- Dripping grease is arrested with vane and collected in an easily accessible grease tray

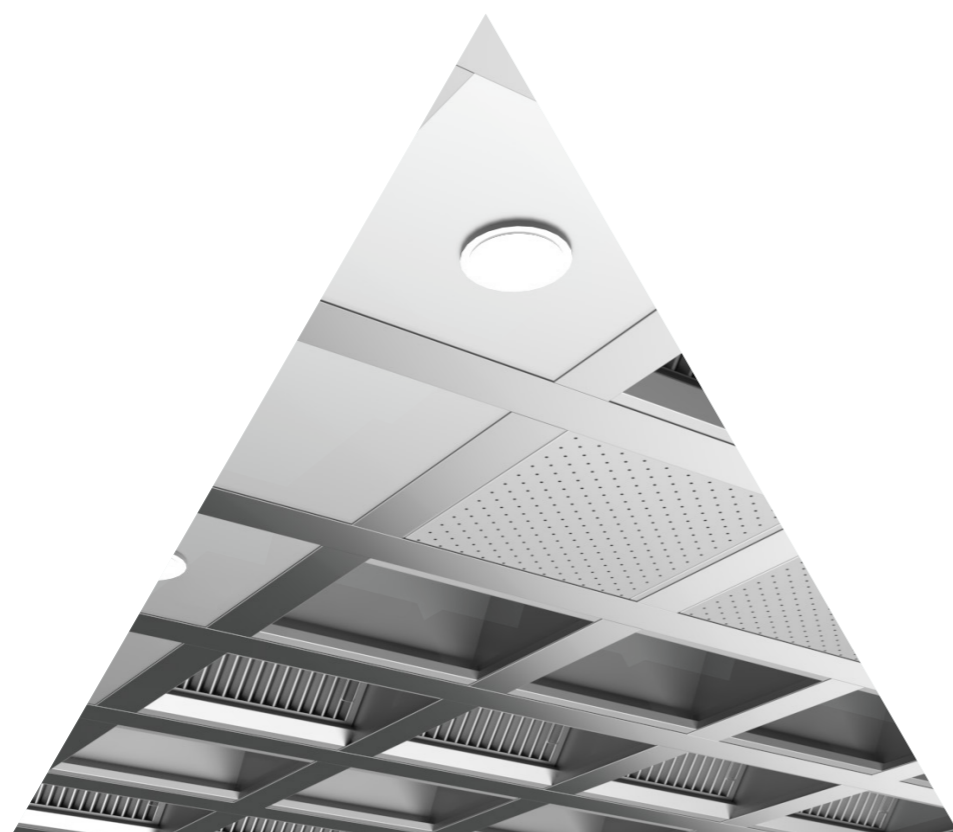
OPTIONS

- Filtration technology: UV and WW
- LED dimmable spotlights
- Factory-installed hood Fire Suppression System
- Factory-installed hood Demand Control Ventilation System

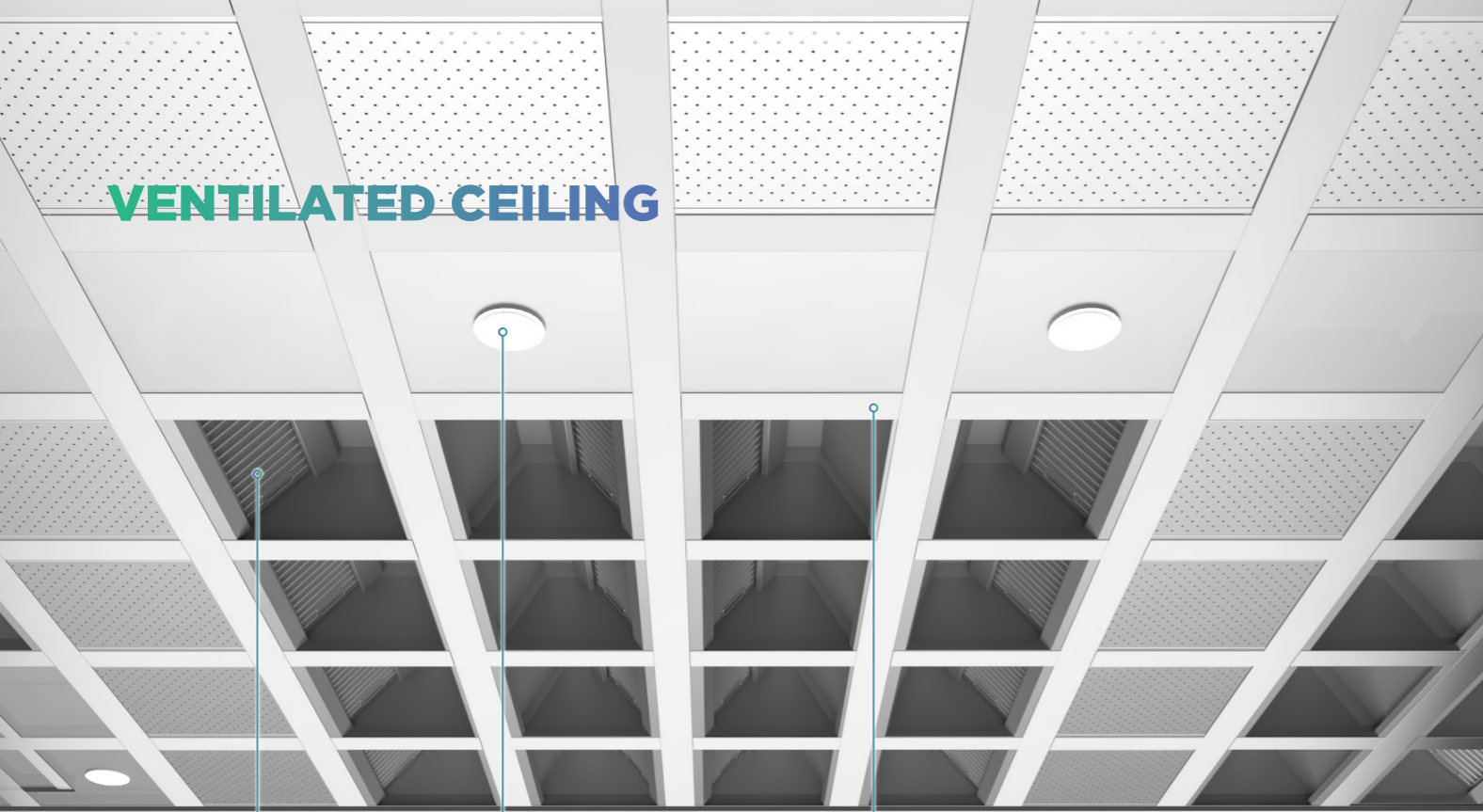


ADVANTAGES

- Improved Air Quality: Avante-VC promotes the circulation of fresh air, allowing the exchange of low velocity treated air to displace the extract fumes from the cooking equipment's which helps remove pollutants, odors, and stale air, improving overall air quality within the kitchen
- Enhanced Thermal Comfort: By facilitating airflow, Avante-VC assists in regulating temperature and humidity levels. It helps maintain a comfortable environment by reducing hot spots, preventing condensation, and improving overall thermal comfort
- Energy Efficiency: Avante-VC are compatible with demand control ventilation for a significant reduction in energy consumption
- Acoustic Control: Certain types of ventilated ceiling systems can help absorb sound waves, reducing noise levels within a space. This enhances speech intelligibility, reduces reverberation, and creates a more comfortable and productive environment
- Design Flexibility: The modular construction of Avante-VC provides flexibility to suit different functional requirements. It can be integrated with lighting fixtures, fire suppression systems and other building services, offering a seamless and integrated solution
- Maintenance and Accessibility: Avante-VC is designed with removable panels or slats, making it easier to access the building services above the ceiling and perform maintenance tasks in less time and at a lower cost



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LIGHTING

- Factory-wired
- Energy efficient fluorescent or LED lights (500 lux on the working surface - IP65)
- Tempered glass light diffuser with heat tolerance up to 180°C

FILTRATION

- Heavy duty Stainless Steel welded construction
- Filtration efficiency of 95% for 6-8 microns
- UL listed
- DMT certified for filtration efficiency.
- Meets NFPA #96 requirements

CONSTRUCTION

- Fully made of 1.2mm SS AISI 304 brush finish.
- Welded construction
- Sliding balancing dampers
- Extract air flow calculations as per DW 172
- Modular construction
- Includes Supply-Extract and lighting

TECHNICAL SPECIFICATIONS

MATERIAL:

- SS AISI 304 brush finish
- Thickness: 1.2mm

POWER SUPPLY:

- 120/220 - 240 V
- 50 - 60 Hz

LIGHTING:

- Fluorescent or LED lights
- Rated IP65
- 500 lux on the working surface
- Low consumption
- Heat & vapor resistance
- Long-lasting

DIMENSIONS:

- Ceiling Wall to Wall
- Dimensions vary according to layout requirements.

GREASE FILTERS CERTIFICATIONS:



www.avanteuae.com

