

IAQ Solutions for Hotels



Hotels should consider the ventilation requirements in various areas of their facility to provide a pleasant and safe environment for guests and staff alike.

Negative impacts of poor IAQ

Poor IAQ in hotels has been linked to:

- › Increased risk of the spread of illness, particularly in areas with high concentrations of guests
- › Minor reactions to dust and allergens such as headaches and dry eyes
- › Low staff productivity and concentration levels
- › Increased staff absenteeism
- › Drowsiness and low concentration due to lack of fresh air
- › Low quality of sleep

Importance of good IAQ in hotels

Hotel environments with controlled HVAC systems and purified air provide guests and staff with:

- › Optimal thermal comfort
- › Improved guest satisfaction, leading to positive reviews and repeat business
- › Increased staff productivity levels

Improving indoor air quality in hotels

Opening windows to allow for the circulation of fresh air is often not a possibility for hotel environments. However, ensuring the introduction and circulation of clean outside air is extremely important. Investing in HVAC solutions will help to enhance

IAQ in hotels. These solutions include:

- › Mechanical ventilation to bring tempered and filtered outside air into communal areas and individual rooms
- › Air conditioning systems with air purification and filtration technology to minimise the occurrence of mould, odours, dust and other particles
- › Smart controls to monitor temperature and humidity levels whilst minimising energy consumption requirements
- › Centralised controls and sensors monitor the conditions of each guest room and large, open spaces, and/or monitor IAQ conditions

In hospitality, comfort is key. Daikin delivers a perfect ambiance with a 'total solution' that integrates heating, cooling, ventilation and air purification for quiet and draft-free operation. Daikin's tailored solutions enable hotels to provide air comfort and low running costs without sacrificing style.

Solutions that help hotel facility managers to have an ideal indoor environmental quality with smart energy management options.

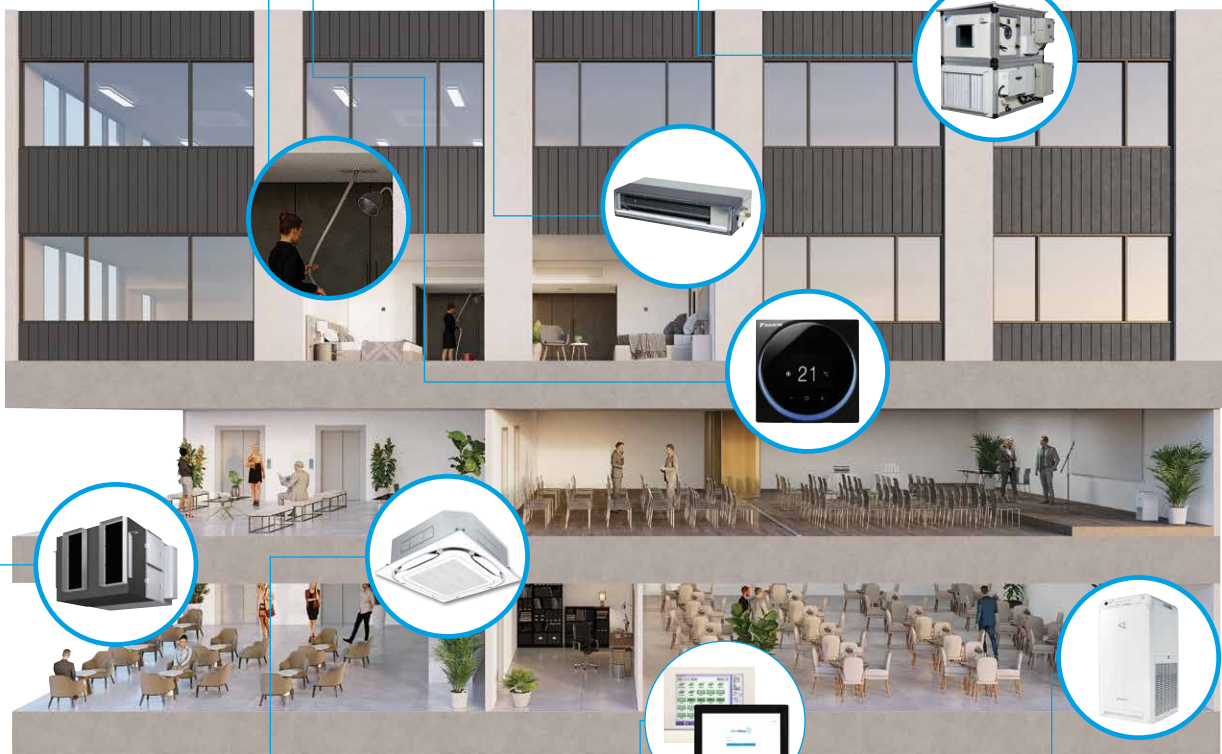
Bulkhead Unit with Self-Cleaning Filter

captures and collects dust into the onboard dust box during the pre-programmed cleaning cycle. Once the dust box is almost full, it can be quickly and easily emptied using a vacuum cleaner hose, reducing overall maintenance.

Stylish Controller enables guests to manage their own comfort.

Bulkhead Unit can fit neatly above wardrobe or entrance bulkhead, allowing various filter or grille types.

Air Handling Unit is an ideal solution in large open spaces, such as conference rooms or dining halls. These units can provide large outside air volumes (>500 m³/h) and high ESPs enabling the use of extensive ductwork runs.



Heat Reclaim Ventilator in common areas with VAM units maintain air flow using tempered outside air, whilst minimising energy consumption.

Streamer Cassette in common areas and conference rooms will further assist with air purification when combined with adequate mechanical ventilation. Its sensing function will direct the air where it's needed.

Daikin Central Controllers monitor the conditions of each guest room and large, open spaces and adjust to the guests' needs.

- > Reiri Controller can monitor IAQ conditions, simply from a smartphone app.
- > an iTM Controller can monitor and operate VRV and AHU equipment.

Air Purifiers in common areas remove virus particles from the air.

Learn more how we can help improve Indoor Air Quality levels in your next project. Book a consultation with our Daikin Air Specialists.



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Scan the QR code to learn more about Daikin IAQ solutions for various applications

