

# IAQ Solutions for Office Buildings



Office buildings in Australia need to comply with HVAC construction and maintenance standards. A specialised IAQ equipment is required to provide a healthy working environment whilst balancing energy efficiency.

## Negative impacts of poor IAQ

Poor IAQ in office has been linked to:

- › Sick Building Syndrome (SBS)
  - symptoms include fatigue, headaches, and irritation of the eyes, nose and throat
- › Risk of the spread of illness
- › Increased absenteeism
- › Low productivity levels

## Importance of good IAQ in office buildings

Office buildings with controlled HVAC and purified air provide occupants and building owners with:

- › Optimal thermal comfort
- › Increased productivity levels

- › Improved health and well-being
- › NCC and environmental compliance

## Improving indoor air quality in office buildings

Opening windows to allow for the circulation of fresh air is often not a possibility for office environments. Investing in HVAC solutions will help to enhance IAQ in office buildings in situations where natural ventilation isn't possible. These solutions include:

- › Sensors to monitor the build up of CO<sub>2</sub> which can affect concentration levels
- › Mechanical ventilation to bring tempered and filtered outside air into the indoor environment
- › Air conditioning systems with air purification and filtration technology to minimise the occurrence of mould, odours, and dust and to eliminate viruses
- › Smart controls to monitor temperature and humidity levels whilst minimising energy consumption
- › Centralised controls and sensors enable the monitoring and operation of all Daikin and third-party HVAC equipment and/or monitor IAQ conditions

Daikin climate solutions for office buildings enable property owners to consider how they can improve their building's IAQ. Critical to this is the exchange of outdoor and indoor air, filtration and air purification.

From energy efficient HVAC, air purification to centralised controllers, Daikin systems are designed to easily upgrade or replace an existing climate system to enable a healthy indoor environment, which enhances staff concentration levels, whilst minimising energy costs.

**Ducted Unit**  
ideal where ceiling space is available and allows the addition of various filtration options

**Streamer Cassette in workspaces and meeting rooms**  
interlocking with a mechanical ventilation system that ensures adequate ventilation and provides an energy efficient IAQ solution.

**Heat Reclaim Ventilator in workspaces**  
recovers energy from the exhaust air and keeps tempered outside air circulating throughout the building



Download the handbook to learn more about specific solutions for a range of applications



**Stylish Controller**  
allows staff to manage their own comfort.

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

**Round Flow Cassette with MERV 8 Filter**  
attracts and captures airborne particles/allergens from 3 to 10 microns such as pollen and fine dust, resulting in improved filtration over a standard filter.

**Daikin Central Controllers**  
enable the monitoring and operation of all Daikin and third-party HVAC equipment. Reiri Controller can monitor IAQ conditions like PM2.5, CO<sub>2</sub>, TVOC, temperature and humidity levels.

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

