

IAQ Solutions for Education



With Australia's extreme climate, many schools struggle to ventilate classrooms while also keeping students and teachers comfortable and healthy.

Negative impacts of poor IAQ

Poor IAQ has been linked to:

- › Reduced cognitive performance
- › Hyperactivity and lack of concentration
- › Higher chances of the spread of illness resulting in increased absenteeism
- › Exacerbation of respiratory conditions such as asthma and allergies

Importance of good IAQ in schools

Learning environments with controlled HVAC and purified air provide students and teachers with:

- › Optimal thermal comfort
- › Increased productivity levels
- › Improved health and well-being

Improving classroom air quality

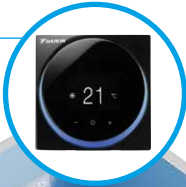
The most simple ventilation method is to open windows to allow air to circulate inside classrooms. However, this can become problematic with noise, extreme temperatures and the risk of outdoor air pollutants entering the space. Various elements of an effective HVAC solution can help to provide comfortable and clean indoor environments. These include:

- › Sensors to monitor the build up of CO₂ which can affect concentration levels
- › The introduction of more outside air into the classroom by using mechanical ventilation
- › HVAC systems that include air purification and filtration technology to remove dust and allergens from the air inside the classroom

Daikin's range of ventilation, air conditioning and air purification solutions can be tailored to specific educational building configurations to provide thermal comfort and humidity control with optimal IAQ; fully integrated to reduce running costs.

Whether for small or large educational settings, Daikin's HVAC solutions can be designed to offer individual room control, providing effective management of standby and comfort settings. Entire buildings and campuses can be scheduled and monitored remotely from one central location to minimise energy use.

Stylish Controller monitors CO₂ level and measures the air quality in classrooms, while maintaining thermal comfort.



OPTIMAL SOLUTION Heat Reclaim Ventilator is a mechanical ventilation system interlocking with cassette maintains healthy levels of outside air in the classroom, whilst minimising energy costs.



OPTIMAL SOLUTION VRV Streamer Cassette with MERV 8 Filter features advanced sensors for superior air purification and thermal comfort. The unit creates better air quality in the classroom.



Air Purifier with Streamer Technology and HEPA filter unit effectively captures and decomposes pollutants including those that cause asthma and allergies.



Alira X with Streamer Technology is fitted with three layers of filtration - prefilter, enzyme blue deodorising filter and Streamer Technology.

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

