



Indoor Air Quality Guidelines for Reducing Micro-biologicals

The recommendations below provide an overview based on publications by ASHRAE, REHVA and Eurovent. Not all cases will be feasible or pertinent to a specific building or system. Contact your Trane representative today for a specific assessment based on current equipment installed and application needs and applicable regulations.

Recommendations



Dilute: Making sure plenty of fresh outdoor air dilutes the buildup of indoor contaminants through proper ventilation.



Exhaust: Getting exhaust air out is equally important, especially air from kitchens, restrooms and combustion systems.



Contain: Keeping indoor humidity levels within the REHVA-recommended range maximizes occupant comfort and reduces the risk of microbial growth.



Clean: Reducing particles, odors, or microorganisms (such as mold, bacteria and viruses).

Potential actions

- Increase minimum outdoor air damper set points
- Enable free cooling function on rooftop units
- Activate schedule via BMS or Tracer™ platform to keep ventilation system running 24/7, even if at a lower airflow
- Activate pre-occupancy purge sequence to flush the building with outdoor air
- Keep exhaust systems running 24/7, especially for small confined spaces
- Install humidity sensors and update control sequences to control indoor humidity in the desired range
- Ensure post-heating is enabled, if necessary
- Upgrade filters to F7 or F9 and ensure effective air seals
- Add UVGI devices in ductwork or air-handling units

The transmission of COVID-19 may occur in a variety of ways and circumstances, many of the aspects of which are currently not known. HVAC systems, products, services and other offerings have not been tested for their effectiveness in reducing the spread of COVID-19, including through the air in closed environments.

