

We are #ByYourSide

# Hands-on recommendations: COVID19 + general ventilation systems

## Good/healthy indoor air quality

→ More essential than ever

## Correctly maintained/operated HVAC solutions

→ Key – not least because of COVID19

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## Our core recommendations

<b>1 Maintain HVAC system regularly, operate and plan it correctly</b> Respect established hygienic standards + operation manuals	<b>2 Optimise ventilation</b> To ensure continuous fresh air supply while diluting indoor air contaminants	<b>3 Maintain minimum humidity levels</b> Optimally 50% (minimum 40%, not exceeding 60%)
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For hospitals, laboratories, swimming pools, and other critical environments: Monitor established guidelines/standards.


## Our expert advice

What can you practically do to achieve our recommendations?




**Extend ventilation system's operating time, optimally run it 24/7**

- Run ventilation units longer than human presence in building
- Turn on unit earlier, leave it running for extended period after occupancy



**Optimise ventilation by increasing system's volume flow rate**

- While ensuring it does not interfere with reaching recommended humidity level



**Maintain minimum humidity levels**

### During operating hours

- Maintain usual temperature setpoint
- Set relative humidity control to: Optimally 50% (minimum 40%, not exceeding 60%)
- If room temperature setpoint is high: Lower temperature setpoint
- Keep it in occupants' comfort zone to more easily reach humidity setpoint


### During non-operating hours

- Consider lowering temperature setpoint further
- In case system cannot achieve recommended humidity: Consider additional system/room humidification



**Adjust air volume controls**

- If available in control system, set acceptable CO<sub>2</sub> level recommended for your system
- Air volume = Lower, when less persons are present  
→ Easier to reach desired relative humidity
- If no CO<sub>2</sub> controls available, keep unit running on constant airflow



**Set recirculation according to operation mode**

### During operation hours

- Switch off recirculation

### During non-operation hours

- Switch on recirculation mode  
→ Easier to reach desired relative humidity

### Disclaimer

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Version: 2020-04-14