

# How to cope with COVID in HVAC

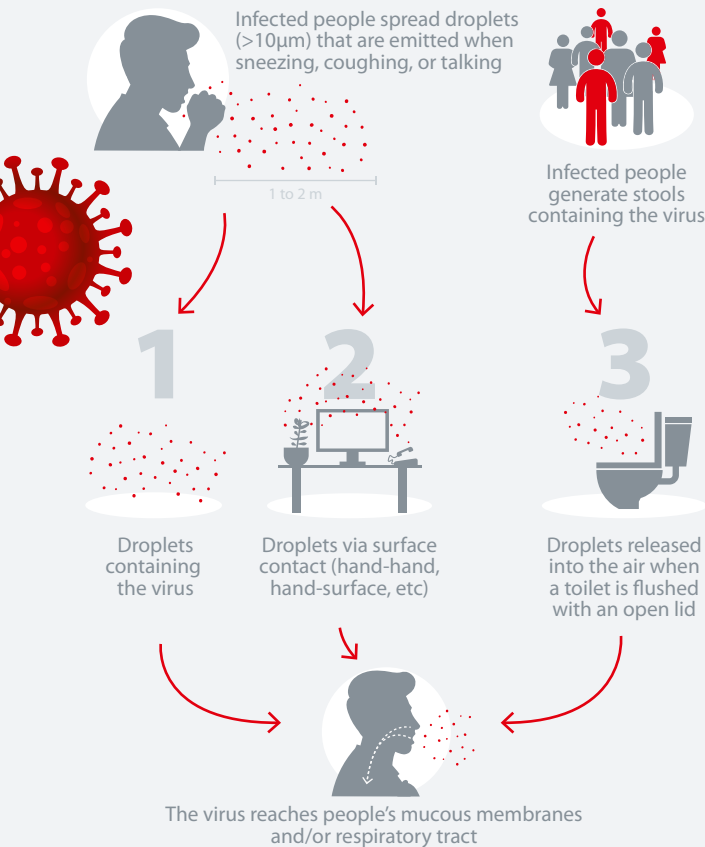
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ENGINEERING  
TOMORROW

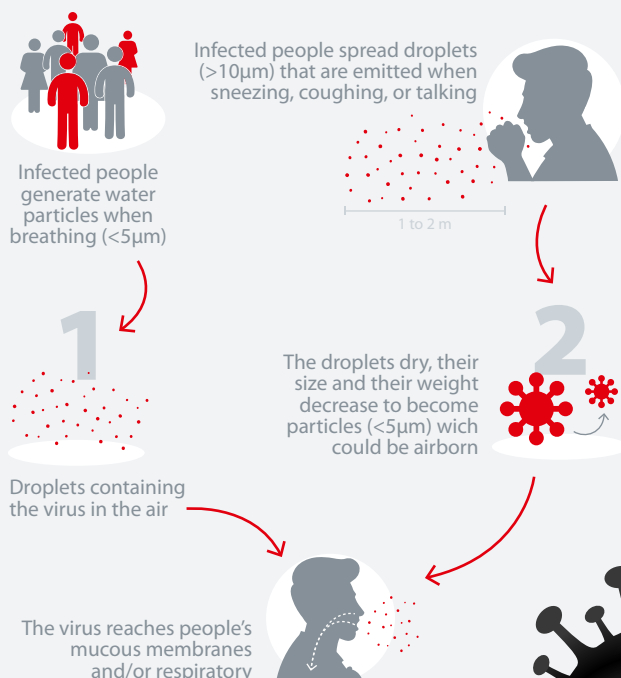
*Danfoss*

## How **COVID-19** is transmitted

3 documented and proven ways  
to spread **COVID-19**



2 transmission ways  
**under investigation**



## How to **maintain indoor air quality** using **two types** of **HVAC systems**

### AHU/RTU

(air handling units/roof top units)



Increase air supply and exhaust ventilation, stop air recirculation and switch recirculation to 100% outdoor air



Open windows



Inspect heat recovery equipment to be sure that leaks are under control



Switch ventilation to nominal speed at least 2 hours before the building is used and to lower speed 2 hours after



On nights and weekends, do not switch ventilation off, but keep systems running at a lower speed



Do not change heating, cooling, and possible humidification setpoints



Replace central outdoor air and extract air filters, according to maintenance schedule



Use protective measures, including respiratory protection, when performing filter replacements and other maintenance



Do not clean ducts during this period

### VRF / FC

(Variable Refrigerant Flow / Fan Coils)



Turn fan coils off or ensure fans are continuously on



Open windows



Keep system running 24/7, even at low speed



Do not change heating, cooling, and possible humidification setpoints



Replace air filters, according to maintenance schedule



Use protective measures, including respiratory protection, when performing filter replacements and other maintenance

### 2 bonus tips



Keep toilet ventilation in operation 24/7



Avoid opening bathroom windows to ensure proper ventilation