

# Japanese engineers share a way of 'ventilation' to cope with COVID-19

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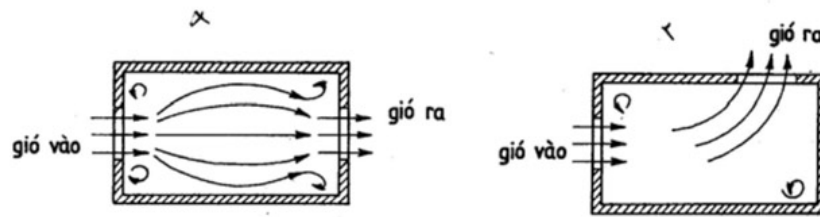
Besides washing hands, wearing a mask, cleaning the house, disinfecting clothes . one of the important issues in the new anti-corona virus measures - Sars-cov 2 is ventilation for your living space.

The Japanese Institute of Architecture and the Association of Air Conditioning Engineers have recently shared how people should perform ventilation ventilation to avoid the risk of cross-contamination in everyday life. Depending on the specific environment, situations that arise will require different ventilation measures.

## Ventilation speed

Ventilation rate is the air exchange rate, calculated by the number of times that the volume of air inside the room is replaced every hour. It is determined by the size of the room itself, the size of doors and doors when air is exchanged.

As the number of ventilation increases, new outside air dilutes the old indoor air and gradually replaces. The ideal ventilation rate for fresh indoor air is 2 times / hour.



## Natural ventilation and mechanical ventilation

Ventilation is divided into 1 category including natural ventilation (opening windows) and mechanical ventilation (using fans).

For buildings and vehicles like cars with windows, actively opening windows to get outside air is the most effective way to ventilate.



For buildings or offices without windows, air is provided by air conditioning and ventilation systems. For room ventilation, turn on the ventilation system and use mechanical ventilation.

For rooms without windows, equipped with separate air conditioning, should adjust the air conditioner in high ventilation mode.

General types of air purifiers are not nearly as effective at ventilation due to their poor performance and range. So the best way to ventilate is to open the window and use a fan.

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