

L-ViC

Lightning Virus Crusher

Duct Connection Type Air Purifier for Small-Scale Air Conditioners

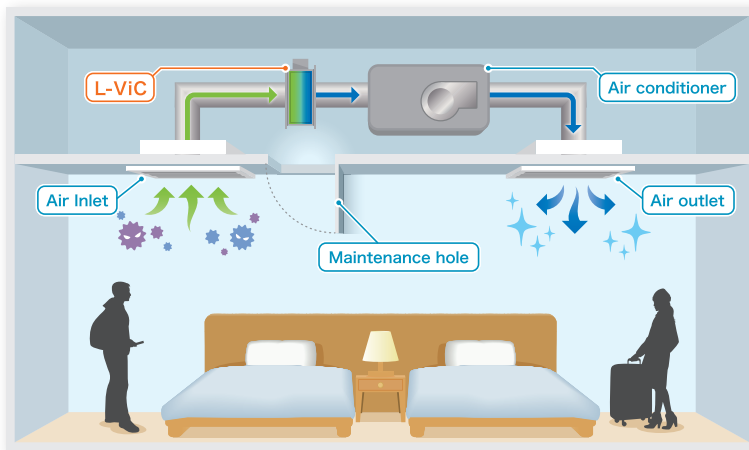
Duct-connectable air purifier mainly used for ceiling-embedded fan coil units or air conditioners in hotel guest rooms or hospitals

Keywords

- ▶ Air purifier
- ▶ Infectious disease control
- ▶ Virus inactivation
- ▶ Discharge technology

Proposing New Techniques for Infectious Disease Control

COVID-19 infection has been greatly affecting all our economic and social activities. Controlling COVID-19 infection is a worldwide problem. For this reason, we developed the air purifier “L-ViC” that could be connected to air conditioning ducts for the purpose of providing a safe and secure indoor air environment and for infectious disease control. L-ViC is mainly connected to ceiling-embedded fan coil units and air conditioners in hotel guest rooms or hospitals. The compact body of L-ViC can be installed in narrow spaces such as ceilings. Unlike outside air introducing systems, L-ViC also saves energy because it operates without venting warm or cool air.



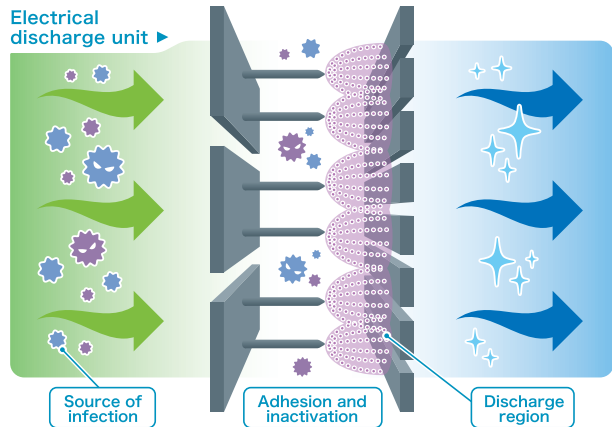
L-ViC cleans the air and provides it to a room through an air conditioner!



Principle and Characteristics of L-ViC

L-ViC is equipped with an electrical discharge unit developed by improving the corona discharge technology that has been used in electric precipitators, etc. The discharge region inside this unit reduces passing infection sources, by adsorption using potential difference, and sterilization or inactivation by generated ozone and radicals. Moreover, this unit is highly durable and quiet.

L-ViC adheres and inactivates sources of infection in the discharge region within the unit!

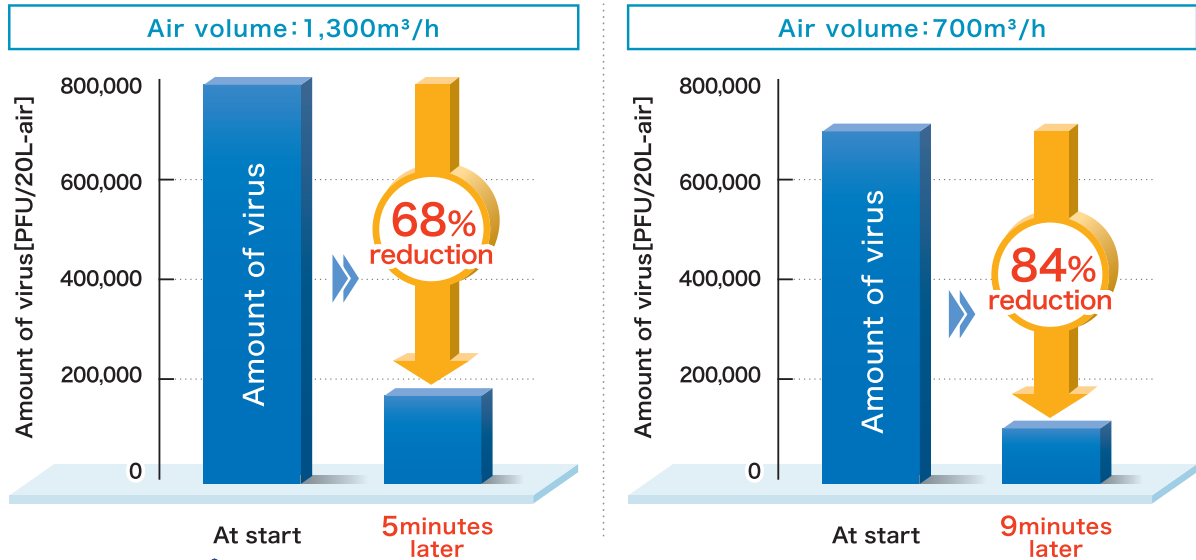


L-ViC inactivates passing sources of infection and cleans the air.

The Virus Reduction Effect Have Been Confirmed

The performance evaluation test performed by Kitasato Research Center for Environmental Science (KRCEs Report #2021_0647) confirmed that the survival rate of virus sprayed in a 25 cubic meter space could be reduced by 68% in the span of 5 minutes at a processing air volume of 1,300 m³/h and reduced by 84% in the span of 9 minutes at a processing air volume of 700 m³/h.

*This confirmation was acquired with the test results in a laboratory, and does not guarantee the actual effectiveness.

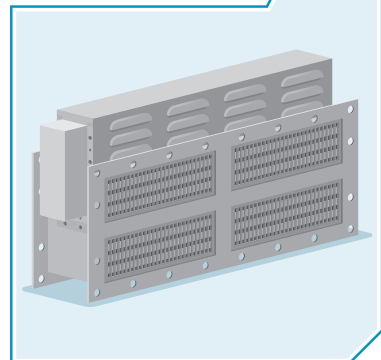


▶▶▶ L-ViC can reduce airborne viruses! ✨

Specifications of L-ViC

Dimensions	H327mm×W654mm×D120mm
Weight	Approx.12kg
Connectable duct size	H200mm×W600mm(duct angle flange connection)
Applicable air volume	700~1,300m ³ /h
Power supply	AC100V 50/60Hz
Power consumption	Max. 50W
Pressure loss	21~75Pa

Appearance of L-ViC



Japan registered trademark No.6567539

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