CAREVIENT

AIR-CARE SOLUTIONS

KYOG220V01GP — Duct & AHU Bipolar Ionizer

Datasheet · 24-pin needlepoint bipolar plasma ionizer · AC 220 V / 50 Hz · For commercial HVAC

Overview

The KYOG220V01GP is a needlepoint bipolar ionizer module for supply ducts and air handling units. 24 needlepoint emitters generate positive and negative ions that break down odours and VOCs and reduce airborne bacteria and particles as air passes through the system. One module treats up to 1,000 m³/h.

Specifications

Input voltage	AC 220 V / 50 Hz
Output voltage	−10 kV (maximum)
Ion concentration	>15 × 10^6 ions/cm³
Power consumption	3–5 W
Input current	150–200 mA
Applicable airflow	<1,000 m³/h per module
Ozone output	<0.005 ppm (laboratory tested)
Service life	15,000 hours
Dimensions	150 × 90 × 60 mm
Weight	0.5 kg
Emitter	24-pin needlepoint
Compliance (manufacturer)	UL, CUL, ETL, CE, CB, EMC, RoHS, REACH as listed by the manufacturer

Laboratory results*

Bacterial killing	>94%
Odour removal	>90%
Formaldehyde removal	>90%

Applications

- Commercial buildings — supply duct and air handler mounting
- Schools & education — classrooms, lecture halls
- Healthcare — clinics, waiting rooms, care facilities

- Offices & workspaces — open-plan offices, meeting rooms
- Hospitality & retail — hotels, restaurants, shops

Sizing

One module treats up to 1,000 m³/h. For larger air handlers, use more than one module across the airstream. Contact Carevient with the airflow, duct size and system type for a sizing recommendation.

Notes. * Laboratory results are manufacturer-published third-party laboratory results for this model under controlled laboratory conditions. Actual performance varies with airflow, pollutant load and installation. Test reports are available on request for the selected model. Prices on request — contact us for a quotation. This datasheet presents the manufacturer's published specifications; Carevient does not present third-party test reports as its own.

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