CAREVIENT

AIR-CARE SOLUTIONS

KYOG220V02GP — High-Density Duct Bipolar Ionizer

Datasheet · 37-pin needlepoint bipolar plasma ionizer · 220 V AC / 12 V DC · For central AC ducts, FCU & AHU

Overview

The KYOG220V02GP is a high-density needlepoint bipolar ionizer module for central air-conditioning ducts, fan coil units and air handlers. 37 needlepoint emitters deliver over 200 million ions/cm³ — the highest ion output in the Carevient range — in a compact 95 mm body. Dual-voltage input covers 220 V AC mains and 12 V DC systems. One module treats up to 1,000 m³/h.

Specifications

Input voltage	220 V AC / 12 V DC, 50/60 Hz
Output voltage	−6.5 kV
Ion concentration	>200 × 10^6 ions/cm³
Power consumption	<3 W
Input current	110 V: 0.05–0.1 A · 12 V: 0.2–0.3 A
Applicable airflow	≤1,000 m³/h per module
Ozone output	<0.005 ppm
Service life	15,000 hours
Dimensions	95 × 75 × 60 mm
Weight	0.3 kg
Emitter	37-pin needlepoint
Compliance (manufacturer)	UL, CUL, ETL, CE, CB, EMC, RoHS, REACH as listed by the manufacturer

Applications

- Central air-conditioning ducts — highest ion density for high-airflow systems
- Fan coil units (FCU) — compact body fits tight spaces
- Air handling units (AHU) — multiple modules across the airstream for larger handlers
- Commercial buildings, schools, healthcare, offices

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. Specifications are the manufacturer's published specifications for this model. 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.

Carevient · Shenzhen, Guangdong, China · WhatsApp +86 177 2262 1182 · vincenti.giliberti@outlook.com · carevient.com
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