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AIR-CARE SOLUTIONS

KYOG110V04GP — Brush Bipolar Ionizer for North America

Datasheet · Carbon-fibre brush bipolar plasma ionizer · 110 V AC / 60 Hz · For VRF, PTAC & ductless systems

Overview

The KYOG110V04GP is a carbon-fibre brush bipolar ionizer built for the North American market and for ductless systems. The brush emitter — the same approach used by leading North American HVAC ionizer brands — is designed to meet the UL 2998 zero-ozone standard, and draws under 1 W. At 80 mm long it fits fan coil units, VRF indoor units and PTAC units where a duct module cannot go. 220 V versions are available on request. One module treats up to 1,000 m³/h.

Specifications

Input voltage	110 V AC (220 V AC / custom on request)
Output voltage	−7.5 kV
Ion concentration	>15 × 10^6 ions/cm³
Power consumption	<1 W
Input current	≤0.01 A
Applicable airflow	<1,000 m³/h per module
Ozone output	<0.005 ppm — designed to meet UL 2998 zero-ozone requirements
Service life	15,000 hours
Dimensions	80 × 25 × 32 mm
Weight	0.1 kg
Emitter	Carbon-fibre brush
Compliance (manufacturer)	UL, CUL, ETL, CE, CB, EMC, RoHS, REACH as listed by the manufacturer

Applications

- VRF / ductless systems — indoor units
- PTAC — packaged terminal air conditioners
- Fan coil units (FCU)
- US commercial projects on 110 V / 60 Hz mains
- Air conditioners and household / commercial purifiers

Sizing

One module treats up to 1,000 m³/h. For larger systems, use more than one module. Contact Carevient with the airflow, system type and voltage for a sizing recommendation.

Notes. "Designed to meet UL 2998" is the manufacturer's positioning for this module; ozone output below 0.005 ppm is laboratory tested. 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.

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