plasmaNorm® RONDO Hood use

For non-commercial range hoods

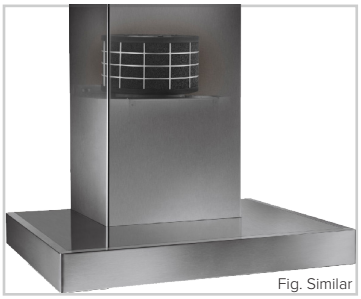
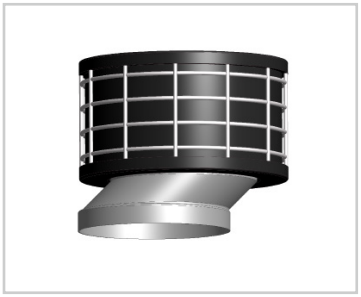


Fig. Similar



TECHNICAL DETAILS:

RONDO 500 - 500m³/h
Height: 120 mm

RONDO 800 - 800m³/h
Height: 210 mm

RONDO 1000 - 1.000m³/h
Height: 270 mm

Diameter: 210 mm
Port opening: 150 mm Ø
Chimney inside dimension: at least 250mmx250mm
Equipment: Air flow sensor
Material: Aluminium AlMg3, PA6

Plasma-Electrodes:
special material
RoHS compliant

Contact time / flow velocity:
depending on the degree of soiling 0,1-1s, 2m/s max.

Pressure difference:
at 2 m/s flow, 100 Pa

Voltage operation:
Primary: 230V, 50Hz
Secundary: HS ca. 3KV, 15W

Filter stages:
- plasmaNorm® electrode
- sorPan® - activated carbon

Delivery:
plasmaNorm® RONDO
Eccentric adapter
Multiple plug

Self-sufficient air cleaning module for original equipment or as a retrofit system for recirculation in extractor hoods of private kitchens.

APPLICATION

Due to its effectiveness, the plasmaNorm® air treatment process opens up application possibilities that did not exist before. plasmaNorm® demonstrably achieves efficiencies of up to 98.5%, which were previously unknown.

plasmaNorm® RONDO was developed as a first-time kit or as a retrofit system for the private extractor hood, thus enabling easy and safe circulating air operation *. RONDO eliminates unpleasant cooking odors as well as all bacteria in the air, germs and allergens.
plasmaNorm® RONDO is available for a wide range of standard hoods and easy to install. Standard air extraction hoods turn the air around the hood and make them effective at the click of a button.

The plasmaNorm® technology was originally designed to remove odors from contaminated process exhaust air during thermal food production, eg. B. with continuous roasters or industrial fryers, developed.

DESCRIPTION

Electrical conductors in the dielectric sheath are configured in the plasmaNorm® RONDO into plasma electrodes, which generate the plasma in the medium to be treated in the case of special high-voltage control.

The length and arrangement of the electrodes were designed for different air volumes (RONDO 500 - 1000). With the help of appropriate adapters, the plug-in module can be connected to different cooker hoods.
plasmaNorm RONDO has an integrated airflow sensor. After switching on the cooker hood, the airflow activates the sensor and switches the plasma.

The air cleaning module plasmaNorm® RONDO consists of two effect stages:

- the plasma electrodes described here for generating an atmospheric plasma and
- an activated carbon storage reactor in which the air purification ge completed.

In the plasma state there is a gas in which nearly all atoms are ionized and there is a corresponding number of freely moving electrons. This gas is now as a whole electrically conductive plasma. As a result, plasma-physical and -chemical processes, such as the dissociation of gas molecules with subsequent oxidation, are initiated and completed.

The plasmaNorm® gas purification technology has been developed in conjunction with leading institutes and universities for plasma research and technology.

CLEANING AND MAINTENANCE

The electrodes have a very long life and are hardly destructible in normal operation.
In the event of improper use or voltage breakdown, used electrodes must be disposed of in accordance with the applicable statutory provisions.

The high-voltage transformers used are short-circuit-proof and require a functional check from time to time.

APPLICATIONS

Air pollution control and odor removal in provatory kitchens, controlled ventilation, and much more.

CE

Reserve technical changes

Further information:
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