

Domaplasma® IQ450

The Domaplasma®-IQ450 is suitable for installation in the chimney of a vertical wall hood. The Domaplasma®-IQ450 model can be used in all types of recirculating vertical cooker hoods of many manufacturers and is easy to install directly on the hood. The Domaplasma®-IQ450 is an excellent fit for recirculating air capacities from 400 up to 650 m³/hour. NOTE, the Domaplasma-IQ450 plasma units should preferably be used in upper chimneys with minimum cross sections of W245 x D190 mm.

All Domaplasma® odour filters switch on and off automatically!



SPECIFICATIONS:

Domaplasma-IQ450:

H 400 x B 202 x D 182 mm

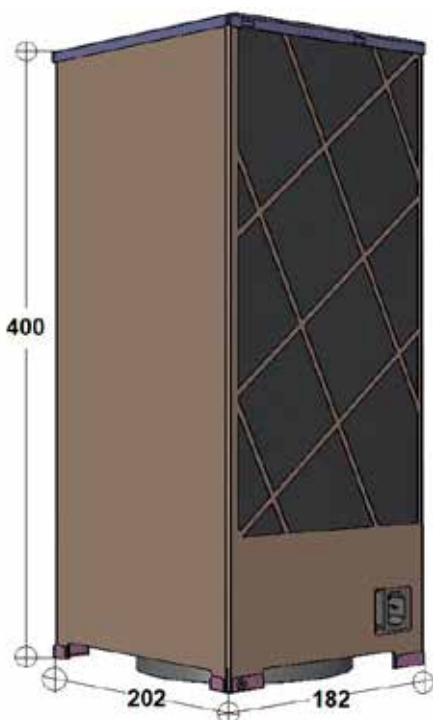
Capacity: 400 - 650 m³/h

Connection: 220-240 V/50 Hz / (C14)

Power usage: ca. 20 W/h

ADVANTAGES DOMAPLASMA-IQ SERIES:

- The Domaplasma® system is certified by the VDE as the first and only family of plasma units for use in household appliances and cooker hoods (test aspects: Declaration of Conformity according to Directive 2006/95/EC). Additionally, the system is tested and has passed the tests according to EN 60335-2-65 by the VDE (Safety of electrical appliances for domestic use and similar purposes - Part 2-65: Special requirements for air purifiers).
- The unique Domaplasma® low-temperature plasma technology is extremely effective, excellently adaptable, versatile and extremely energy efficient.
- The total energy consumption is very low with a usage of less than 20 watts per hour.
- Domaplasma® can be used independently of the respective hood electronics, by use of an internal pressure sensor.
- The Domaplasma company has over 14 years of experience in air purifying installations and develops and produces Domaplasma® filter systems in their own factory (Dutch design, made in Germany). Domaplasma® units can also be adapted to your existing or future applications and designs.
- Domaplasma® is an outstanding and sustainable product with very little maintenance required. It is energy friendly and can, if necessary after many years, be completely overhauled.
- Domaplasma® offers excellent removal of all odours by means of the VDE certified plasma process. The unit can (in)directly be mounted onto the 150 mm outlet of the cooker hood.



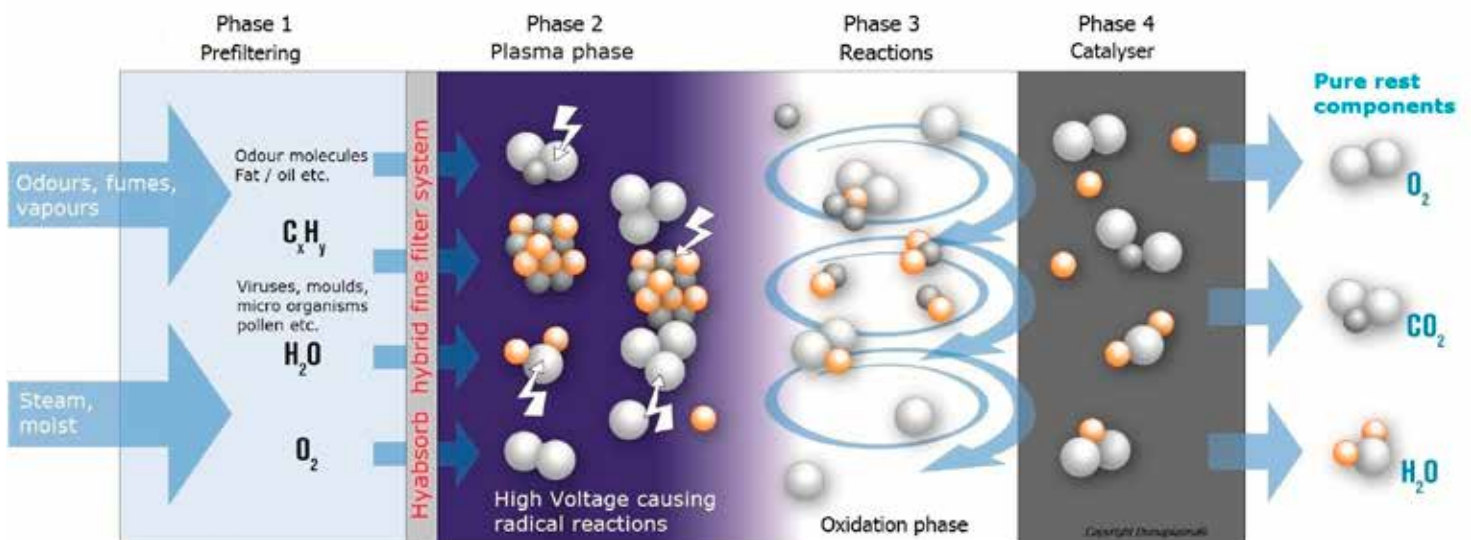
Domaplasma-IQ450

PROCES

PHASE 1: In a unique hybrid combination of a metal grease filter with the Hyabsorb® fine filter, solid particles, grease and fat parts, oils and other pollutants from the cooking fumes and by the way even from the entrained air are removed;

PHASE 2 & 3: Inside the unit, within the Domaplasma® catalyser the odours as well as micro-organisms, such as bacteria, mould spores, allergens and viruses are removed by different and complex high-voltage reaction and oxidation processes, and partially decomposed into individual molecules;

HOW DOES DOMAPLASMA® AIR PURIFICATION WORK?



PHASE 4: The second stage of the oxidation process in the catalyst removes, based on the longer residence time, the remaining odour molecules

FINAL PHASE: The result of the Domaplasma® process is that the air is purified of fats, oils and odours. Even microorganisms such as bacteria, mould spores, allergens and viruses will be destroyed.

The Domaplasma® air purification system for cleaning air has been tested by the VDE and has been found to be free of any hazardous emissions.

