

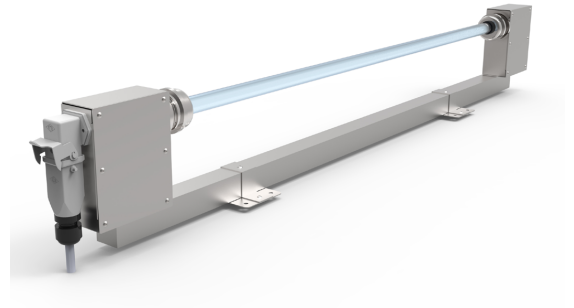
UV-SMELL-A

In restaurants or industrial/ community kitchens, during food cooking phases, fats, pollutants and unpleasant smells are generated; this may be disputed by authorities and give often rise of legal issues with the neighborhood. Applied inside kitchen hoods and aspiration systems, UV-SMELL-A contributes significantly to minimize these problems; fats are carbon and hydrogen compounds, with a structure made of complex chains.

If fats are exposed to an intense UV-C irradiation, they absorb part of this powerful energy, and molecules, placed in a higher energy state, become more reactive. For this reason they recombine with oxygen present in the air. This process causes a particular and immediate chemical reaction, the “cold combustion”.

Results of this reaction are organic and odorless short chain gases, such as carbon dioxide (CO₂), water, etc., normally present in air. So the air filtered by UV-SMELL-A during normal cooking, reduces the formation and deposits of fat and the consequent risk of fires, limiting also the growth of molds that feed usually on fats. UV-SMELL-A reduces the need of aspiration system cleaning and maintenance, extend filters’ life but, more importantly, offers the possibility to work safely.

UV-SMELL-A uses a UV-C amalgam lamp + O₃ (Ozone) lamps. This type of bulbs, unlike the standard low pressure UV-C lamps, use a special “amalgam” made with metals, which optimize the UV germicidal power efficiency. Amalgam systems allows triple the UV-C emission compare to a low pressure lamp with the same length, and up to 16.000 hours life that guarantee a consequent cost saving. Furthermore the Ozone, persisting in air for few seconds before turning in simple oxygen, maximizes UV-C performances.

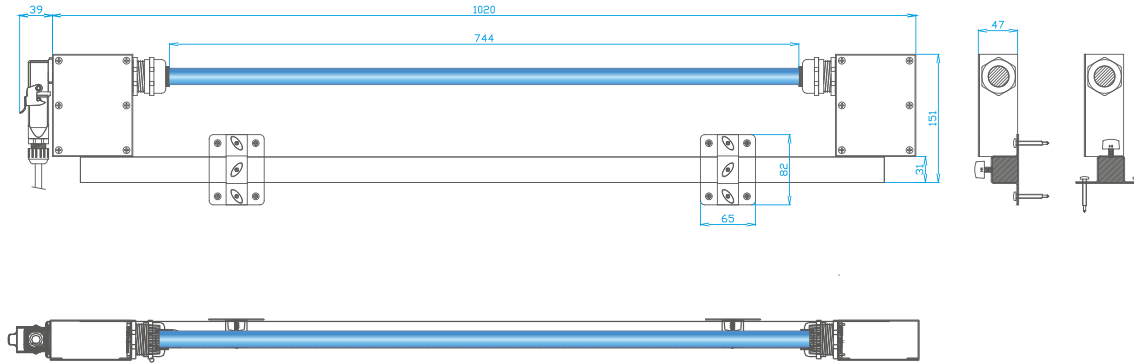


Technical data

UV-SMELL-A	172-Oz
LIFETIME LAMP UP TO (hour)	≤ 12.000
CONSUMPTION (W)	1X172=172
UV-C EMISSION (W)	51
MODULE DIMENSIONS (mm)	1020 X 151 X 47
WEIGHT(Kg)	3
MAX AIR FLOW TO BE TREATED (m ³ /h)	1.200 m ³ /h
REPLACEMENT LAMP	GHVA-172-Oz

* continuous operation

Technical Drawings



Installation instructions

UV-SMELL-A is generally placed inside the hood, over the stove and downstream common filters and upstream Carbon filters, but it could be mounted also along air suction ducts. In every case total air flow should pass through UV-SMELL-A lamp to reach good results. In this way you can purify the air flow entirely.

UV-SMELL-A systems allows you to decide at any time, even after installation, which solution is better for your needs, with or without ozone, considering final results of air quality. This is the only device of its kind that can be equipped with either UV-C or UV-C + ozone lamps. Our technical department designs custom installation layouts for clients' specific needs. Installation is very easy due to its compact sizes and brackets provided.

