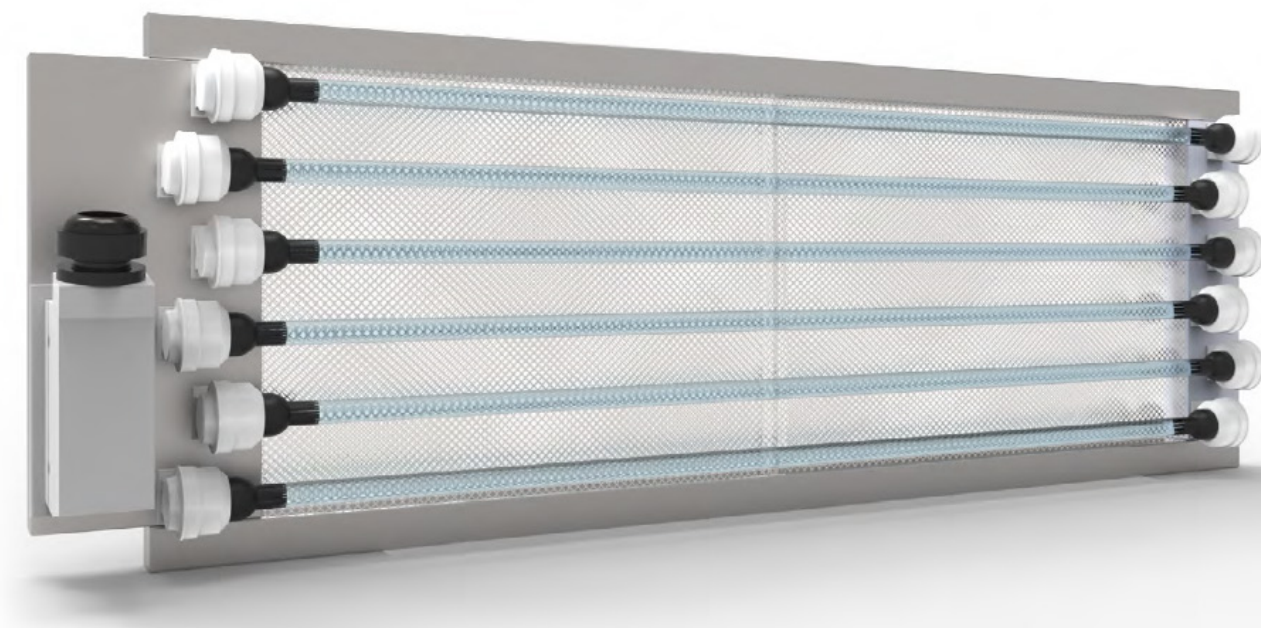


Industry: Hotels & Restaurants

UV SMELL SQ

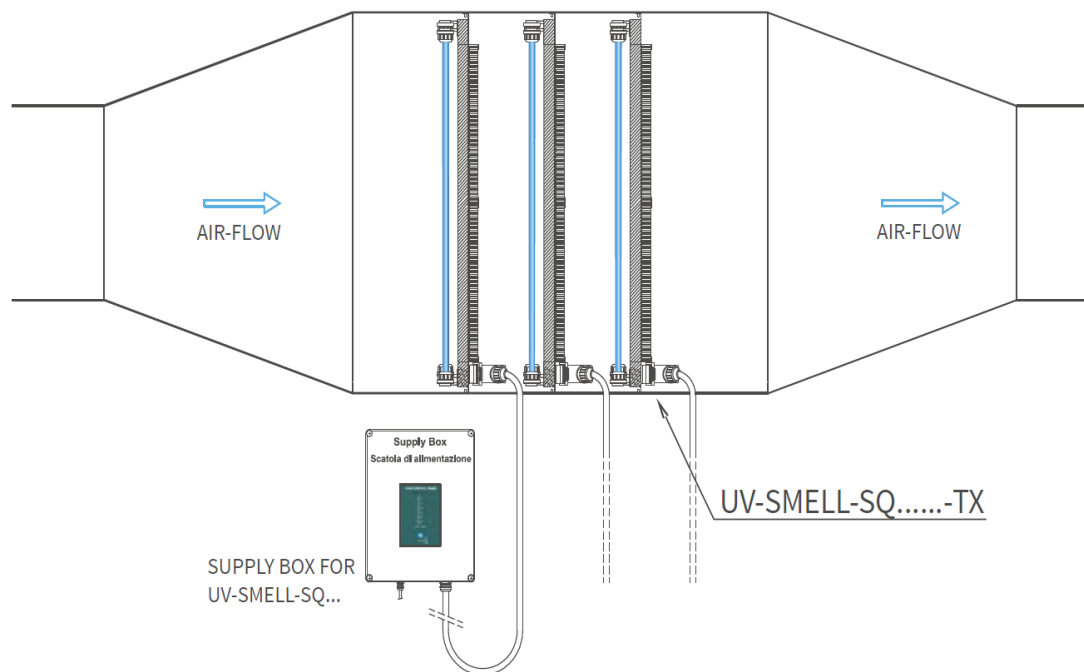


Grease and odours reduction

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- SQ 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.

UV-SMELL-SQ uses UV-C lamps and/or UV-C+O₃ (Ozone) lamps, and it is the first device in the market that can handle ozone or ozone-free lamps, alternatively or even combined together, according to clients' needs. UV-SMELL-SQ reduces the need of aspiration system cleaning and maintenance, extend filters' life but, more importantly, offers the possibility to work safely.



Installation

UV-SMELL-SQ 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-SQ lamps to reach good results. In this way you can purify the air flow entirely.

UV-SMELL-SQ 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.

TECHNICAL FEATURES

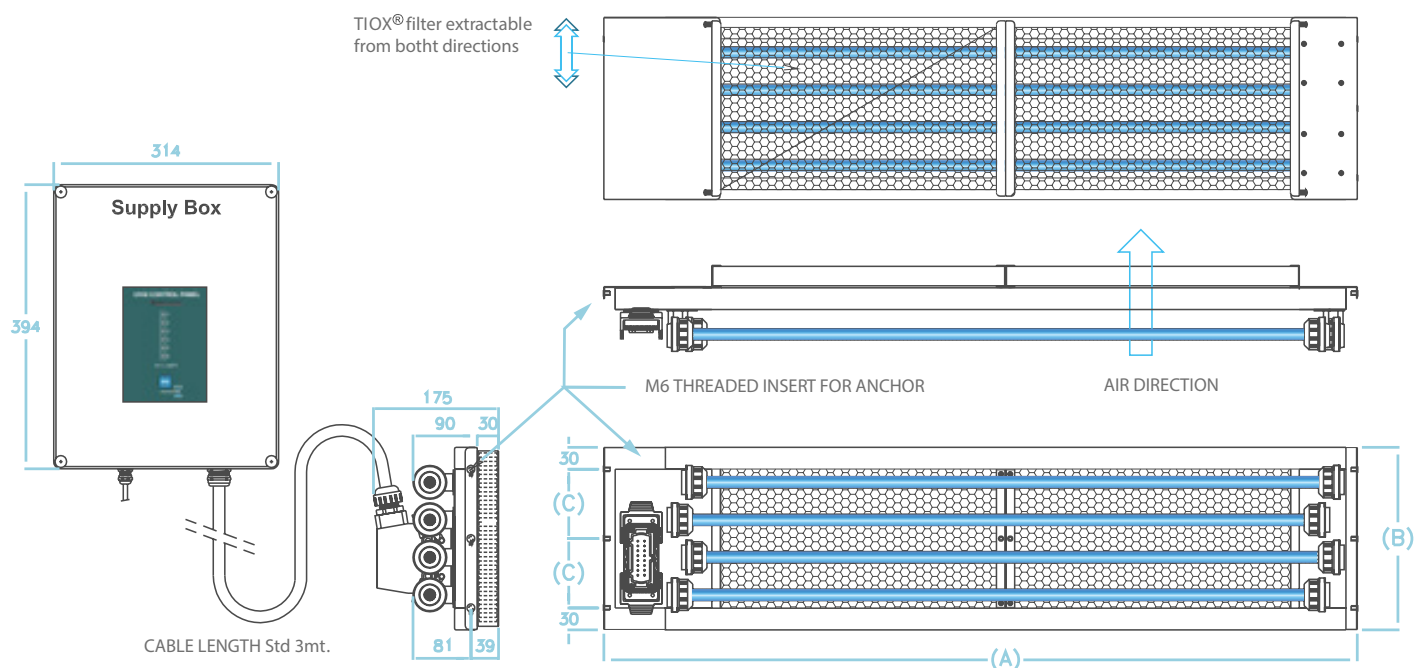
- Selective UV-C Light Progress lamp (emission peak at 253.7 nm / +O₃ 183 nm) high efficiency, pure quartz.
- Body in STAINLESS STEEL AISI 304
- All materials are tested for resistance to intense UV-C rays and Ozone.
- Waterproof and dust-proof (IP 55).
- Powered by electronic ballasts specific for Light Progress UV-C rays lamps.
- Supply Box with Synoptic
- CE mark (LVD - EMC - MD - RoHS).

TECHNICAL SPECIFICATIONS

UV-SMELL-SQ	4/40H (TX)	4/90H (TX)	4/120H (TX)	6/40H (TX)	6/90H (TX)	6/120H (TX)
Lamp Lifetime (h)*	≤18.000	≤18.000	≤18.000	≤18.000	≤18.000	≤18.000
UV-SMELL-SQ (+Oz)	4/40H-Oz (TX)	4/90H-Oz (TX)	4/120H-Oz (TX)	6/40H-Oz (TX)	6/90H-Oz (TX)	6/120H-Oz (TX)
Lamp Lifetime (h)*	≤12.000	≤12.000	≤12.000	≤12.000	≤12.000	≤12.000
Consumption (W)	40X4 = 160	80X4 = 320	100X4 = 400	40X6 = 240	80X6 = 480	100X6 = 600
UV-C Emission (W)	13x4 = 52	26x4 = 104	32x4 = 128	13x6 = 78	26x6 = 156	32x6 = 192
Module Dimensions (mm)	145xAxB	145xAxB	145xAxB	145xAxB	145xAxB	145xAxB
Dimensions (A) (mm)	594	1052	1332	594	1052	1332
Dimensions (B) (mm)	253	253	253	358	358	358
Dimensions (C) (mm)	140	140	140	149	149	149
Supply Box Dimensions (mm)	317x410x128	317x410x128	317x410x128	317x410x128	317x410x128	317x410x128
Weight (Kg)	5,50	6,00	6,50	6,50	7,00	7,50
Max. Treated Air Flow (m³/h)	1.000	2.400	3.200	1.600	3.600	4.800

*Continuous Operation

TECHNICAL DRAWINGS





S P E C T R A[®]

PROFESSIONAL UV SOLUTIONS

Str. Zizinului, Nr. 110, 500407, Braşov, România
www.spectra.ro / contact@spectra.ro / (+40) 0770-187-379
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