

|||
WHIDE



Design: Fabrizio Milesi + Whide Team

Tube is a patented plug&play device that is applied inside professional refrigerators with forced air circulation. Tube is able to sanitize the internal surfaces and the surfaces of stored products through a stericidal action effective up to 99% against harmful microorganisms such as viruses, molds, bacteria.

Tube is an appliance that performs an important preventive action against harmful microorganisms that can settle on the surfaces and packaging of food, which can be touched by several individuals with the risk of contamination for people who go shopping or work in contact with the refrigerator.

Tube is a plug&play device with a minimal design, easy to install on any professional ventilated refrigerator. After fixing it inside the air supply duct just connect it to the power supply, so Tube will start working automatically, sanitizing the internal surfaces and the surfaces of the products exposed and stored inside.

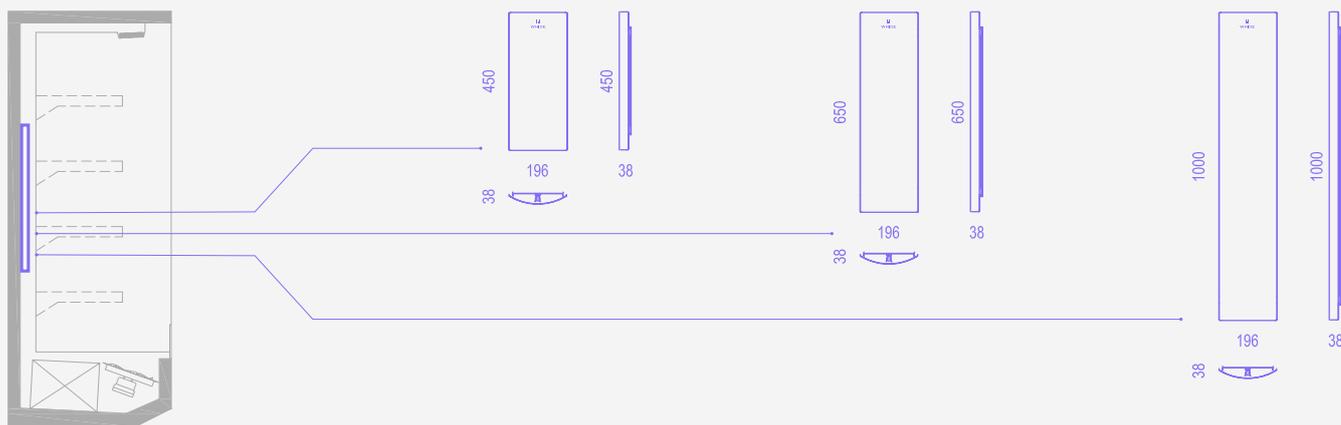


Tube consists of a sheet metal plate fixed with screws or with magnetic fixing to the internal wall of the refrigerator in the air supply duct. The sheet metal contains the UVC lamp protected by a curved cover that is attached to the plate fixed to the wall.

All sheet metal parts are treated with an active ingredient that combined with the photocatalytic and oxidizing action of the UVC lamp produces OH hydroxyl radicals, the latter are transported by the forced air circulation and thanks to their very strong oxidizing power are able to inactivate viruses, moulds and bacteria that can be deposited on the internal surfaces. Tube ensures a constant sanitization of the refrigerator during working operational hours of the refrigerator.

The effectiveness of Tube has been proven by tests carried out by **Accredia** accredited according to **UNI EN ISO CEI/ IEC 17025:2005** specialized in application activities of modern microbiology. The efficacy of the device has been tested on:

- Viruses, including Betacoronavirus (H1N1)
- and other microorganisms (gram + ; gram -):
- Staphylococcus aureus, strain derived from "ATCC 25933".
- Escherichia coli, strain derived from "ATCC 8739"
- Yeasts and moulds, strain derived from "Aspergillus Braziliensis ATCC 16404".



Tube 24W

Tube 55W

Tube 80W

Power (W)	24W	55W	80W
Power supply (V/Ph/Hz)	140-230/1/50-60	140-230/1/50-60	140-230/1/50-60
Transformer	24V	24V	24V
Lamp type	UVC	UVC	UVC
Weight	2 Kg	3 Kg	4 Kg
Sanitizing active ingredient	Photocatalytic effect of Titanium Dioxide		
Color	White	White	White
Max sanitized volume	750 lt	1000 lt	1300 lt