

DISINFECTION CHAMBER

TDx

ELIMINATION AND PREVENTION OF PATHOGENIC AGENTS

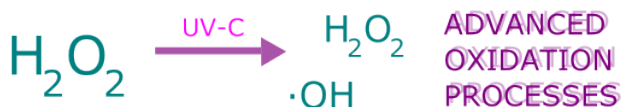
DESCRIPTION

The Disinfection Chamber TDx is a device that promotes good practices of prevention, sanitation and disinfection in the access of spaces with a large flow of persons. TDx works in disinfecting and sanitizing clothes, objects and shoes, using an automated sprinkling system, eliminating a large percentage of pathogens. The temperature control and the hand sanitizer solution are also integrated into the equipment, constituting excellent support for the communication of your brand and implemented safety standards.

We use Advanced Oxidation Processes (AOP), where the antimicrobial power of a base solution is increased by treatment with UV radiation. We use as active ingredients Hydrogen Peroxide or Peracetic acid, recognized for the safety of use for humans, their anti-microbial efficiency, and safety for the environment.

Active substances when in contact with CUBO UV technology, produce particles that increase the rapid anti-microbial capacity, such as radical hydroxyl and acetylperoxil, without prejudice to the environment or human health.

A high-pressure sprinkler system (70 bar) works with indirect sprinkler by cross-jets carried out in front (2 pairs) and behind the person (2 pairs). Cross-jets cancel the kinetic energy of the direct jets, reducing the moment of the mist, suspending it close to the person, avoiding the accumulation of humidity and the wet effect of this type of solutions and maximizing the contact with the clothes. The objective is to sanitize clothes, shoes and objects and not people. This way we reduce the risk of eye and respiratory tract irritation, by inhalation, unlike technologies such as direct sprinkling or fine fogging.



Hydrogen peroxide is one of the active agents recommended by the World Health Organization for human hygiene

Source: "WHO Guidelines on Hand Hygiene in Health Care: First Global Patient Safety Challenge Clean Care Is Safer Care."

TECHNICAL DATA

Power Supply	230 VAC
Power	200 W
Operation Temperature	5 °C - 45 °C
Internal disinfectant storage	20 L
Disinfectant to be used	Hydrogen Peroxide or Peracetic Acid (0.5 to 1% w/w)
UV Source for AOP	UV-C (254 nm) with at least 1J/cm ² irradiance
Number of sprinklers	8
Pression in sprinklers	70 bar
Maximum flow dispensed	0.5 L/min
Temperature mesurent	Medição de temperatura por proximidade em °C
Number of people served per 20L tank	About 600 people
Total Weight	About 100 Kg net
Dimensions	125 cm x 85 cm x 205 cm



System under certification process for pathogen removal and human safety

