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DECON





THE OVERALL HYGIENE STANDARDS OF ANY FACILITY IS A NECESSARY CONDITION FOR THE WELLBEING OF ANIMALS AS WELL AS SAFETY FOR THE PERSONNEL. FOR THIS REASON, IT IS ESSENTIAL TO INTRODUCE PROPER PROCEDURES TO PRESERVE AND MAINTAIN THE INTEGRITY OF YOUR BARRIERS

IWT IS THE IDEAL PARTNER FOR THE CARE OF YOUR FACILITY AND FOR THE OPTIMIZATION OF YOUR DAILY WORKLOAD.

THE SELECTION OF AN APPROPRIATE METHOD OF LOW TEMPERATURE DECONTAMINATION IS ESSENTIAL FOR THE INTRODUCTION AND PROCESSING OF DAILY USAGE ITEMS SUCH AS ELECTRONICS, CHANGING STATIONS AND AIR HANDLING UNITS.

VAPORIZED HYDROGEN PEROXIDE, AMONG OTHERS, IS NOWADAYS ONE OF THE MOST WIDELY USED LOW TEMPERATURE DECONTAMINATION SYSTEMS FOR HEAT AND MOISTURE SENSITIVE EQUIPMENT THANKS TO ITS HIGH MATERIAL COMPATIBILITY, EFFICACY AND SAFETY.

FOR MORE THAN 15 YEARS IWT HAS BEEN DESIGNING, ENGINEERING AND VALIDATING DECONTAMINATION SOLUTIONS FOR THE LABORATORY ANIMAL INDUSTRY.

TODAY WITH HUNDREDS OF CHAMBERS INSTALLED IN THE MOST PRESTIGIOUS VIVARIUMS WORLDWIDE, IWT IS PROUD TO PROVIDE YOU WITH UNCOMPLICATED, SAFE, RELIABLE AND VALIDATED DECONTAMINATION SOLUTIONS INCLUSIVE OF OUTSTANDING TURN-KEY PACKAGES. OUR TEAM OF SPECIALISTS HAS DEVELOPED CHAMBERS, H<sub>2</sub>O<sub>2</sub> GENERATORS AND RELATIVE PROCEDURES WITH THE AIM TO GUARANTEE DULY VALIDATED CYCLES AND REPEATABILITY OF THE RESULTS.

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### 6 H<sub>2</sub>O<sub>2</sub> GENERATOR

dBOX



Catalyzers

Distribution fan

## EASYDECON



Solution for Vaporized  $H_2O_2$  Decontamination, UV irradiation and dry fog  
 Suitable for low containment facilities (BSL1-2) or SPF barriers

- Large volume chamber ( $6\text{ m}^3 - 212\text{ ft}^3$ ) in a reduced footprint ( $4\text{ m}^2 - 43\text{ ft}^2$ )
- Compatible with IWT dBox on-board  $H_2O_2$  generator (see next section) or with standard external generators available in the market
- Internal socket for power supply of the load (e.g. changing stations ventilation)
- Building-friendly design:
  - Specially design floor for no pit requirements without the need for any ramp
  - Fully serviceable from the inside for a real wall-to-wall installation capability (e.g. corridors)
  - Optional double ceiling-mounted catalyst system to break down  $H_2O_2$  eliminating the need for external ductwork
- Inclusive of a distribution low voltages fan to favour the uniform diffusion of the  $H_2O_2$  during cycle
- Reduced energy consumption per cycle, less than 1kWh
- 6log reduction on spores of Geobacillus Stearothermophilus
- Maximum safety of operations:
  - Full glass doors with inflatable gaskets for perfect chamber sealing and barrier integrity
  - Sampling ports and optional safety sensor kit for enabling door opening prior  $H_2O_2$  residuals check
  - Cable connections with external generators for signals exchange
  - Internal emergency buttons with self-releasing doors

Wall-to-wall installation

Pitless



IN-CHAMBER EMERGENCY BUTTON



CATALYZER



SAMPLING PORTS

## DECONLOCK

Solution for Vaporized  $H_2O_2$  and Gaseous  $ClO_2$  Decontamination  
Suitable for high containment facilities (BSL3)

- Compatible with standard external generators available in the market
- Internal socket for power supply of the load to achieve full decontamination (e.g. changing stations ventilation running)
- Optional catalyzer to break down  $H_2O_2$  eliminating the need for external ductwork
- Only one hour decontamination cycle outstanding to carry out multiple routine jobs
- 6log reduction on spores of *Geobacillus Stearothermophilus*
- Maximum safety of operations:
  - Full glass doors with inflatable gaskets for perfect chamber sealing and barrier integrity
  - Sampling ports and optional safety sensor kit for enabling door opening prior  $H_2O_2$  residuals check
  - Cable connections with external generators for signals exchange
  - Internal emergency buttons with self-releasing doors



FAST AERATION UNIT



TAKE A LOOK AT IWT  
**WASHING** BROCHURE TO  
FIND OUT HOW dBOX  
CAN BE INTEGRATED  
WITH YOUR  
ATLANTIS RACK WASHER



Chamber + dBOX H<sub>2</sub>O<sub>2</sub> generator +  
fast aeration + catalyzer  
=  
outstanding turn-key stand-alone solution  
=  
no more integration headaches



PRESENTATION RACK

## DBOX

### Hydrogen Peroxide Vapour generator for EasyDecon and Atlantis

- Designed to provide a true and effective turnkey solution for a low temperature decontamination
- Thought for the routine decontamination of consumables, tools and equipment within an enclosure (decontamination locks or cage and rack washers)
- A unique supplier to grant a single line of responsibility
- Permanently embedded in the hosting unit avoids:
  - extra floor space for external generator
  - procedures to set up the third party device
  - manual operations and connections, dangerous for safety of the process and the personnel
- Shares the same PLC and interface as the main equipment for a real integrated solution
- Safe  $H_2O_2$  compartment with scale for full process control
- In-house knowledge and expertise to support you in the SOPs and cycle development
- The validation of the process is proven by using microbiological indicators (BIs) with a 6log reduction on spores of *Geobacillus Stearothermophilus*



SAFE  $H_2O_2$  COMPARTMENT



**COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001 =**

HEADQUARTERS IWT s.r.l. | Tel. +39 0332.96701 · [www.iwtsrl.it](http://www.iwtsrl.it) · E-mail: [info@iwtsrl.it](mailto:info@iwtsrl.it)

Sister Companies

AUSTRALIA/NEW ZEALAND | Tel. + 61 2 8845 6500 · [www.tecniplast.it](http://www.tecniplast.it) · E-mail: [info@tecniplast.com.au](mailto:info@tecniplast.com.au)

CHINA | Tel. + 86 (0)21 50810920 · [www.tecniplast.cn](http://www.tecniplast.cn) · E-mail: [tecniplastchina@tecniplast.it](mailto:tecniplastchina@tecniplast.it)

FRANCE | Tél. +33 (0)4 72 52 94 41 · [www.tecniplast.fr](http://www.tecniplast.fr) · E-mail: [info@tecniplast.fr](mailto:info@tecniplast.fr)

GERMANY | Tel. +49 (0)8805 921320 · [www.tecniplast.de](http://www.tecniplast.de) · E-mail: [info@tecniplast.de](mailto:info@tecniplast.de)

UNITED KINGDOM | Tel. + 44 (0)845 0504556 · [www.tecniplast.it](http://www.tecniplast.it) · E-mail: [info@tecniplastuk.com](mailto:info@tecniplastuk.com)

JAPAN | Tel. +81 (0)3 5770 5375 · [www.tecniplast.it](http://www.tecniplast.it) · E-mail: [info@tecniplastjapan.co.jp](mailto:info@tecniplastjapan.co.jp)

USA | Toll Free: +1 877.669.2243 · [www.tecniplastusa.com](http://www.tecniplastusa.com) · E-mail: [info@tecniplastusa.com](mailto:info@tecniplastusa.com)

CANADA | Toll Free: +1 855.347.8718 · [www.tecniplastcanada.com](http://www.tecniplastcanada.com) · E-mail: [info@tecniplastcanada.com](mailto:info@tecniplastcanada.com)

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