

99DT

Lab'Science presents its wide range of fully automated disinfection system for non-invasive medical devices: 99DT disinfection tunnels.



High level disinfection performed by



Advantages:

- Short cycles,
- Low dosage,
- Flexibility (reduction 2 to 6 Log),
- Security,
- Efficiency,
- Quality.

Action mechanism:

The formula consists of two biocidal agents:

- Hydrogen peroxide (H₂O₂) quickly transforms into hydroxyl radicals (OH •) which react instantly with essential biomolecules (ie proteins, lipids, nucleic acids, etc.) by inactivating them.
- Silver cations (Ag +) cause cell inactivation and the death of viruses, bacteria, spores, molds and biofilms, ensuring a prolonged disinfectant-biostatic action.

Method of use:

The tunnel constitutes an airlock between the cleaning area (dirty side) and the reconditioning area (clean side).

This position makes it possible to preserve the principle of walking forward in the treatment of disinfection and avoids cross contamination.

Medical devices are introduced "dirty side" and recovered to be reconditioned "clean side".

The structure of the tunnel is designed to withstand intensive use in an industrial environment (impact resistance, washing, disinfectant, etc.).

Technical specifications:

The dimensions¹:

- Total length: 10 200 mm
- Usable internal length: 10 000 mm
(Between the gables of the tunnel supporting the doors)
- Interior height: 2300 mm
- Internal width: 2400 mm

Power supply: 230 V (single phase)

Power: 2,3 kVA

Automatism:

The automation of the tunnels is carried out by means of programmable logic modules of Siemens brand with control and display on control box.

¹ Custom dimensions on request.



Automated operating cycle:

- Load,
- Close the doors and start the cycle (1 click),
- Nebulization,
- Contact,
- Air mixing,
- Air extraction and renewal,
- Unloading (door opening when the H2O2 concentration is less than 1 PPM).

Disinfection cycle: approximately 35 minutes.

Shelf life of disinfection solution:

The solution is valid for 36 months from the date of production if it is stored in its original packaging, in a cool place and protected from the sun.

Effectiveness of the disinfection solution:

Tested according to standard: NF T72 281.

And the protocols: EN 1040, EN 1276, EN 13697, EN 1275, EN 1650, EN 13704, EN 14476, EN 14348 et EN 13623.

On the following microorganisms *:

| | |
|-------------------------|----------------------------|
| Acinetobacter baumannii | Adenovirus 5 |
| Aspergillus niger | Bacillus subtilis |
| Candida albicans | Candida Glabrata |
| Clostridium difficile | Enterococcus faecium VRE |
| Enterococcus hirae | Escherichia coli |
| Klebsiella pneumoniae | Legionella pneumophila |
| Listeria monocytogenes | Mycobacterium Avium |
| Mycobacterium Terrae | Poliovirus 1LSc-2ab |
| Pseudomonas aeruginosa | Salmonella typhimurium |
| Staphylococcus aureus | Staphylococcus aureus MRSA |

(*) Selected list of more microorganisms tested.

Compliant:

Directive 93 / 42EEC - Class IIa medical device.

Manufactured in accordance with ISO 9001 and ISO 1348.



Pour plus de renseignements :
Tel : + 33 2 47 23 41 01
E-mail : contact@lab-science.eu
www.lab-science.eu