



DE LAMA

Process & Sterilization Solutions since 1949



GMP H₂O₂ STERILIZERS

DLVHP/ST Series

De Lama Vacuum Hydrogen Peroxide Sterilization Series

The industrial and pharmaceutical H₂O₂ treatment unit for terminal sterilization of thermo-labile solids, porous materials and products packaging



Parapharmaceutical Industry



Research Centers



Animal Houses



Laboratories

MAIN FEATURES

Gas penetration by high vacuum system

Space saving design with no HEPA filters and air ducts

No-proprietary, high quality components

Compliant with the current International standards

SCADA Windows OS control system, CFR 21-Part 11

OVERVIEW

De Lama has developed an innovative process starting from the multiannual experience in the sterilization field.

The peculiarity of the use of the vacuum technology allows gas full penetration into the widest variety of packaging. Vacuum system is composed by multiple step high vacuum system to allow the most effective sterilization phase and gas removal at cycle end.

The sterilisation or decontamination cycles work in an open loop, without any consumable, and grant a very high level of repeatability.

Thermo-labile finished products in blister can be fully sterilized in the most recessed cavities.

DESIGN & CONSTRUCTION FEATURES

- capacity: from 500 lts. up to few cubic meters (other sizes available on request)
- semi-automatic hinged doors or automatically sliding doors
- chamber execution in highly satin finish AISI 316L stainless steel
- direct ventilation in chamber with magnetic coupling fan to improve hydrogen peroxide circulation
- open loop configuration with catalyst (no consumables) on exhaust

MAIN ADVANTAGES & FUNCTIONAL FEATURES

- Process reliable and fully validable
- enhanced extraction of residual H_2O_2
- low H_2O_2 consumption
- cycle repeatability
- reliable homogeneity conditions
- fast and efficient degassing
- no impact on HVAC