DE LAMA

Process & Sterilization Solutions since 1949

GMP H_2O_2 DECONTAMINATION EQUIPMENT

DLVHP/DE Series

De Lama Vacuum Hydrogen Peroxide Sterilization Series

The industrial and pharmaceutical H_2O_2 treatment unit for surface decontamination

- Parapharmaceutical Industry
- Research Centers
- Animal Houses
- Laboratories

MAIN FEATURES

- Gas flushing by liquid ring 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 in the degassing phase allows a very short and effective cycle: most of the hydrogen peroxide is removed through the liquid ring vacuum pump while the remaining ppm are flushed with compressed air through the catalyst.

The decontamination cycle works in an open loop, without any consumable, and grant a very high level of repeatability.

A wide variety of thermo-labile products can be surface decontaminated in the shortest possible time.

DESIGN & CONSTRUCTION FEATURES

- capacity: from 500 lts. up to 3000 lts. (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

- shortened cycle length thanks to vacuum effectiveness
- enhanced extraction of residual H_2O_2 especially from porous loads
- H_2O_2 sanitization can be combined with any sterilisation method in a combo unit
- low H_2O_2 consumption
- cycle repeatability
- reliable homogeneity conditions
- fast and efficient degassing
- no impact on HVAC

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