



GEA Sterilcap VHP R

Vapor Hydrogen Peroxide caps sterilizer

Sterilcap VHP R is a caps sterilizer based on a sterilizing effect of H₂O₂ in vapor form at the right concentration and temperature, where the caps remain for a time, long enough to guarantee up to 6 log reductions. The design of the chutes inside the machine ensures that all the cap surfaces are exposed to prevent any shadowed area.

Sterilcap VHP R is located on the top of the filler in order to feed the capper by gravity and has a very compact layout.

Decontamination parameters ensure a gentle treatment without removing the caps slipping agent. Since VHP is a genuine dry sterilization technology, it does not use any water. Sterilcap VHP R is also capable to treat both sport and flat caps in the same machine, moreover it is able to perform a fast changeover without losing sterility.

The system represents the perfect cap sterilization solution to be coupled with the GEA ABF (Aseptic Blow Fill) in order

to allow the usage of one single chemical sterilizing media. It also can be coupled with any other solution where an aseptic filler is combined with a traditional blower.

In addition to an excellent sterilization performance, the Sterilcap VHP is designed to create a buffer of caps to guarantee the necessary redundancy required by a blow fill solution: in case of cap jamming the aseptic blow filling bloc can be emptied with no loss of preforms or bottles.

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Features

- Compact layout
- Sterilizing area physically isolated
- Effective VHP treatment: up to 6 log reduction on *B. atrophaeus* ATCC9372 on both internal and external caps surfaces
- Uniform H₂O₂ concentration
- Gentle treatment and handling
- No slipping agent removal
- No water consumption
- Suitable for high speed lines
- Suitable for High Acid and Low Acid products

Stand alone configuration

- Integrated H₂O₂ sterilizing solution preparation and dosing
- Possible retrofit on GEA PAA wet aseptic line for dry solution and sport caps handling



Sport and flat caps changeover without losing sterility

- Sport and flat caps automatic changeover
- No need of mechanical intervention for caps changeover
- No loss of sterility
- Intervention gloves in case of caps jam intervention without loss of sterility



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