claranor

Pulsed Light Sterilization

INLINE BOTTLE LID STERILIZATION

BOTTLE LID

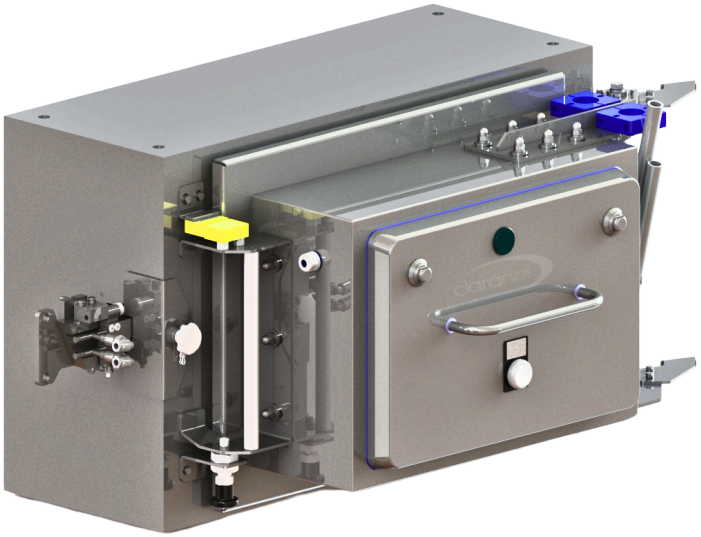
PULSED LIGHT TREATMENT

ULTRA-CLEAN FILLING OF BEVERAGES

Liquid dairy or plant based, dairy dessert, coffee creamer, cold brew

APPLICATIONS

ALUMINUM or PLASTIC LID
FORMAT UP TO Ø 20 to 60 mm
Lines speed: up to 60 000 bph



FEATURES

- 1 electronic bay
- 1 optical cabinet to be integrated on the filling line prior to the capping
- 1 pneumatic cabinet for conveying the lids by sterile air
- 1 Flash lamp water cooled @ max 5 Hz
- Quartz break detection
- Priming system
- Hygienic conception, IP 66
- Efficiency >>> UVC on molds
- TCO <<< H2O2 for similar efficiency

CLARANOR PULSED LIGHT BENEFIT

- Compact and easy to integrate on new or existing line
- Dry treatment
- No chemical disinfectants
- Low energy consumption
- No heating time
- Instant treatment
- Non thermal treatment, respect the lid integrity

PERFORMANCE

> 4 log Log-Red on Aspergillus *brasiliensis* (Class IV VDMA)



BOTTLE LID

INLINE BOTTLE LID PULSED LIGHT STERILIZATION

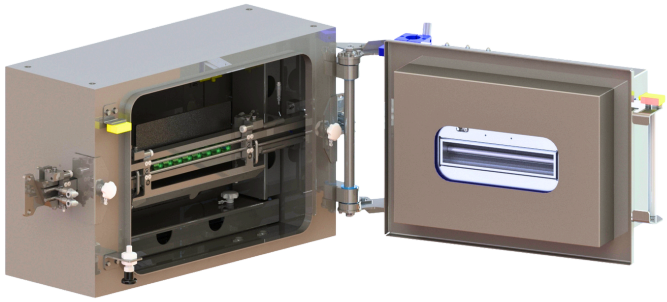
PERFORMANCES

- Class IV VDMA
- > 4 Log-Red on Aspergillus *brasiliensis*
- Sterilization of surface in contact with product
- Factory and site microbial qualification possible



Optical cabinet integrated on the filling line

CONCEPTION IN 3 PARTS: OPTICAL CABINET + PNEUMATIC CABINET + ELECTRONIC CABINET



ELECTRONIC CABINET

In 2 parts: an easily cleanable guiding tunnel and an optical cavity housing 1 xenon lamp

- Size and Weight :
  L x l x H : 800 x 420 x 380 mm , 70 kg





PNEUMATIC CABINET

Controls the flow of the lids with sterile air

- Size and Weight :
  L x l x H : 600 x 250 x 350 mm, 12 kg

ELECTRONIC CABINET

Pilot the optical cabinet, generate the power

- Size and Weight :
  L x l x H : 700 x 720 x 2230 mm , 400 kg