



PULSTEC

Pulsed Light – High-performance Disinfection Module

System-Features

- Xenon flash lamp technology
- Lamp lengths 100 mm to 400 mm
- Housing in stainless steel IP 65 (higher possible)
- Lamp life 5 - 40 million pulses
- Mercury-free lamps

Advantages

- Chemical-free disinfection
- Inactivation level up to 6 log
- Intensity control
- UV dose measurement
- Glass breakage detection
- Maintenance-friendly lamp exchange
- Low substrate temperature

PULSTEC

Save, thorough and strong: Chemical-free disinfection of food packaging and food surfaces with high-power pulsed xenon lamps.

Technical data of the sterilization module PULSTEC

- Variable lamp lengths 100 mm - 400 mm
- Polychromatic light spectrum 180 nm - 1100 nm
- Pulse duration 300 µs
- Pulse energy 400 J - 800 J
- Capacitive discharge voltage 4000 V
- Inactivation rates of up to log 6 (dependent on germ and number of pulses)
- Pulse frequency max. 5 Hz

As system suppliers, Hönle und STERIXENE offer lamp units as well as bioindicators for a rapid analysis of disinfection rates in their own microbiological laboratory.



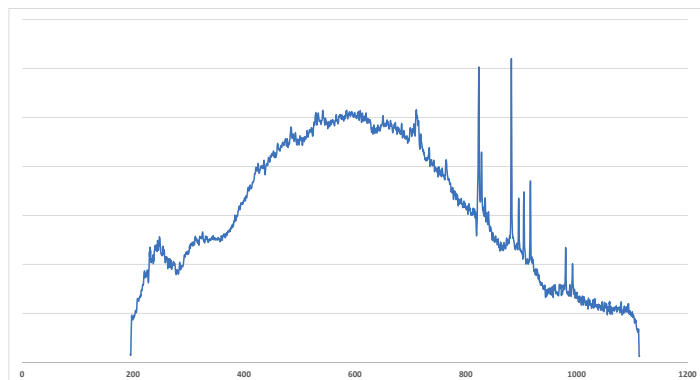
Lamp unit open

System control

- Instant On / Off without warm-up time
- Adjustable controlled pulse energy
- Switch cabinet in stainless steel IP 65 (higher possible)
- Sensor-monitored power and intensity control (optional)
- Individual interface to the manufacturing machine
- Easy retrofitting on existing machines

Lamp unit

- Glass breakage detection for quartz plate
- Mercury-free lamp technology
- Stainless steel housing IP65 (higher possible)
- Lamp life 5 - 40 million pulses
- Variable lamp lengths 100 mm - 400 mm
- Patented maintenance-friendly lamp change within few minutes
- Smooth simmer operation to increase lamp life



Irradiation spectrum