PRODUCT DATA



Bluelight ® Flash System

A reliable solution for high productivity!

The BlueLight ® Flash system utilizes high-power technology that provides instant packaging disinfection without the use of chemicals or mercury. Its sophisticated pulsed light makes it the ideal solution for the disinfection of liquid and viscous food packaging, including high-speed bottle cap processing.

The Flash BlueLight® system emerges from the development of the BlueLight® product family, representing the state of the art in disinfection technology. It stands out for its energy efficiency and cost savings.

Recommendations for use:

- Disinfection of bottle caps from 5 to 26 mm in diameter.
- Disinfection of food packaging for liquid or viscous foods.
- Germ reduction >log 4
- Speeds exceeding 90,000 bph (bottles per hour).

It is an efficient and cost-effective solution, ensuring chemical-free disinfection.

Characteristics

- Instantaneous treatment with no warm-up time required.
- Compact, easy to integrate in any orientation, retrofittable.
- Mercury-free (Hg-free) and chemical-free disinfection. Safe equipment: features a protective window with a breakage detector.
- UVC lamp (PUV-D series) thermally insulated by an integrated reflector.
- User-friendly with an HMI interface, customizable to your process.
- Simple lamp replacement.
- Uses special fused silica quartz for Flash module lamps, exclusive to Excelitas.
- Hygienic stainless steel module with IP65 protection rating.
- Reflector optimized to maximize UV intensity.
- Support and commissioning services for system integration.

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Technical Characteristics

Dimensions of the UV module	
Size LxHxW(mm)	400X210X130
Window size (mm)	240X70
Module weight (kg)	10
Protection	IP65
Control module and Cooler	
Control module-Size LxHxA (mm)	117x1034x702
Control module- Weight(kg)	200
Control module-Protection	IP55
Cooling- Size LxHxA (mm)	1140X820X654
Cooling-Weight (Kg)	150





Module (front and side view)



Cooling





Control module (side and front view)

Microbiological information

Tested material	Distance (mm)	Voltage (V)	Flashes	Inoculation level/ microorganism	Inoculation	Samples number	Log reduction rate
Screw cap	20	2750	2	Log 5 A. brasilensis	MultiDot 10	15	4,21

Productivity

Bottles cap	Value
Max cap production-caps up to 30mm (caps per hour)	>90.000
Max cap production-caps up to 40mm (caps per hour)	80.000
Max cap production-caps up to 50mm (caps per hour)	60.000
Turn-on time(s)	<1

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