

USHIO

UV disinfection solutions for preforms, caps and bottles



USHIO offers a new series of devices which are developed for the rapid surface disinfection of preforms, caps and bottles. Based on UV technology, these devices enable immediate disinfection with low energy use, operating costs and capital expenditure without the need for chemicals or water.

Immediate disinfection
Compact systems
All volume requirements

UV disinfection for:



Preforms



Caps



Bottles

Devices are available with various shapes, dimensions and capacities which achieve high pathogen reduction rates between log. 4 and log. 6 even at production speeds up to 50.000 bottles/hour.

Due to an extremely flexible and compact design, our devices can be easily integrated into existing machinery. A good example is when preforms in conventional stretch blow molders are disinfected right before they enter the blowing process. As the UV device is installed directly in front of the blowing station, this eliminates the risk of contamination between disinfection and blowing.

Advantages:

- Immediate disinfection, short irradiation time
- Effective against resistant pathogens; microorganisms are completely killed
- No impact on taste and smell, chemical composition
- Eliminates hazard
- No risk of overdosing

Our cool UV technology minimises thermal stress at the preforms. Optimised and efficient cooling techniques make it possible to use the existing compressed air supply and a small fan for cooling.



Application of caps in the rail

USHIO provides you with the disinfection solution for caps in the rail, directly before placement on bottles.

Advantages:

- Energy saving due to optimised illumination width and distribution, reflector and lamp design
- Cool UV radiation and shutter systems safeguard the preforms during disinfection and when positioned in front of the module
- Flexible system so different types of caps and production speeds can be handled with only one device
- Flexible construction allows for easy implementation within existing rail systems
- Optional IP64 and stainless steel housing

Develop together with USHIO

USHIO is a partner that listens to your ideas and requirements. Let us optimise your processes according to your specifications and expectations. Use our expertise to develop a tailor-made solution together that matches your needs.

USHIO

USHIO EUROPE B.V. - Headquarter
The Netherlands | Tel. +31 20 446 9333
uv@ushio.eu | www.ushio.eu

USHIO DEUTSCHLAND GmbH
Germany | Tel. +49 8094 9054 0
uv@ushio.eu | www.ushio.eu

USHIO U.K., Ltd.
United Kingdom | Tel. +44 1296 339988
uv@ushio.eu | www.ushio.eu

USHIO FRANCE S.A.R.L.
France | Tel. +33 134 64 94 94
uv@ushio.eu | www.ushio.eu