



In-Line-PUV-Tunnels with intense Pulsed UV Lamps, fully automated, up to 6 logs sterilization for pilot or production lines in food, bio-medical and pharmaceutical industries 360-3600 p/h.



Interactive LCD display to select:

- **UV doses** by pulse bursts with selected pulsed energy and a number of pulses;
- **Pulse energies /pulse/burst:** 100-500 J /1-20,
- **Pulse repetition rates:** 1-5 Hz,
- **conveyer speed** - 0,6 - 6 m/min, (others on request)
- **type of Illumination:** full 360° by activating PUV lamps between conveyer or only 180° by lamps above conveyer,

Standard features:

- **Product recognition** by a light-breaking sensor.
- **Fully automatic**, turn-key, product loading – optional.
- **UV transparent conveyer.**

Version#1: SBS-PUV-Tunnel-1x2(A,B):

A: 1 power block serving 2 lamp modules: 1 above and 1 below the UV transparent conveyer.

B: 1 power block serving 2 lamp modules above a conveyer,

El connection: 220-240 VAC, 50-60 Hz, 12A, 2300 w max.

Dimensions: 120 cm wide x 160 cm high x 80 cm deep, food-grade stainless-steel housing, weight ca. 80 kg.

Version#2: SBS-PUV-Tunnel-2x2(A,B):

A: 2 power blocks serving 2 lamp modules above and 2 below UV transparent conveyer.

B: 2 power blocks serving 2 lamp modules above conveyer,

El Connection: 3x380 VAC, 20 A, 50-60 Hz, 12A, 6000 w.

Dimensions: 180 cm wide x 140 cm high x 80 cm deep, food-grade stainless-steel housing, weight ca. 190 kg.

More on Tunnel Features:

- **during pulsing** the conveyer stops, entry and exit doors of the processing chamber are closed,
- water-cooled Xe-filled flashlamps, no Mercury,
- **No heat waves** on a product,
- up to 35% in UVC for loads up to 50 J/cm for 19cm or 38 cm active lamp lengths,
- LCD display rejects "incorrect" parameters,
- **UVC doses** per pulse bursts: 0.2 to 2 J/cm².
- a simple integration into production lines.

In-line sterilization capability :

- all common bacteria and spores: up to 6 logs,
- **Option 1: 6 logs for UVC resistant spores**, such as Bacillus pumilus spores, the most UV and radiation resistant,
- **Option 2: 6 logs for filled infusion bags** 0.25 and 0.5 l (UVC semi-transparent foils),

See more data on selection of our tunnels at:

http://www.steribeam.com/info/Pulsed_vs._Continuous_UV_for_in-line_Sanitation_or_Sterilization.pdf

