

PUV-Pilot Tunnel with intense Pulsed UV Lamps



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,
- type of Illumination: *full 360°*
- Product recognition *by a light-breaking sensor.*
- Fully automatic, turn-key with product loading
- UV transparent roller conveyer.

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

Dimensions LxHxW: 120x160x80cm, food-grade stainless-steel housing, ca. 80 kg.

A high value of the price to performance for piloting production in food, bio-medical and pharmaceutical lines.

It can to be customized to specific requirements.

Main Features & Advantages

- **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.

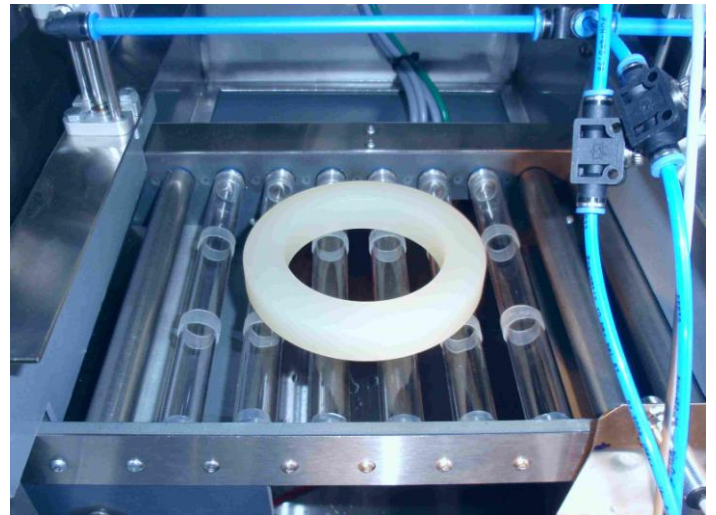
In-line sterilization capability: up to 6 logs,

- **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),

Option #3: as an entry to a clean room.,

Option #4: automatic loading / unloading

View inside the tunnel, 360° PL exposure.



Option #5: an entry and exit chambers for products and processing chamber

© 2018 wek-tec
Dr. Alexander Wekhof
Kronenstr.3
D-78244 Gottmadingen



+49 (0)172 70844 37,
+49 (0)7734 487 00 30
info@wek-tec.de
www.wek-tec.de