

INTENSE PULSED LIGHT XeMaticA-FA 1-2L-V2

fully automatic 2 lamps established and by now upgraded compact R&D system:

for evaluation tests in food, pharmaceutical, cosmetic, bio-medical, and tech. applications:



- The pulse counter in the centre counts pulses for each pulsing cycle.
- Time between pulses: for 320J: ~3s, 640J/p: ~5s.

UV Sensors: one is in the bottom reflector – free of charge. PC scope and 1 extra UV sensor – price is negotiable.

Sterilization UV efficiency:

for bacteria: up to 6 logs /pulse,
for common spores: up to 4 logs /pulse.

- Xe gas (no Mercury!) two air-cooled flash-lamps with pulsed power load up to **15 J/cm** (3 times as much as the nearest competition),
- Max UVC flux to a product: **0,5-1 J/cm²/pulse.**

EI connection:

208-240 VAC, one phase, 50-60 Hz, 300W air cooled, Standard EU electrical plug.

Size, Weight, Enclosure Material:

45 cm wide x 34 cm high x 63 cm deep,
Made from a polished medical/food grade surface structured polished stainless-steel,

Weight ca. 15 kg.

Main features starting with the UPGRADE:

- Now either the upper lamp can pulse at pulsed 640J/p and 320J/p or both lamps can pulse simultaneously at 320J/P and 160J/p. The selection is by rotating the black knob to one of two marked end-stop positions;
- Single pulses is possible at the same two energies and lamp choices by pressing the lighted switch to "single pulses" and red button.
- Selection of pulse energies is by pressing marked lighted switch to on/off positions.
- two flash lamps 20 cm long with parabolic 98% reflectors –one above UV and another is under transparent shelf assuring 360° sample illumination;
- Delivered PUV intensities per pulse cover all mostly used in R&D and above those.
- the round Timer on the right is for multi-pulsing at any selected time 2 to 60 sec. Time between pulses is 8s for lamps air cooling.



PL chamber:

20cm wide x 14 cm high x 14 cm deep, walls are covered with 90% reflectors, with +/-20% UV uniformity within the UV chamber and full sample coverage by UV at both lamps pulsing.

The door of PL chamber is locked automatically and seals out leaks of UV light, EM fields or Ozone. Ozone can be purged out through an outlet at the back of the system

Previous original systems function till now for 5 to 15 years at many universities worldwide.

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