

INTENSE PULSED LIGHT SYSTEM XeMaticA-2L

manually operated 1-2 lamps R&D system

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



Free options before ordering

- the position of the max spectral output up to 35% from UVC to IR on request,
- UV controls: - free positioned UVC sensor with 2 BNC outputs. PC Scope is included.

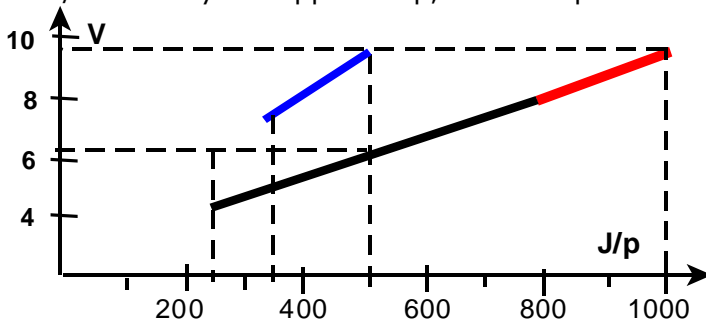
Max sterilization UV efficiency/pulse:

for bacteria: **6 logs**, common spores: **4 logs**

- Xe gas (no Mercury!) forced air-cooled flash-lamps with pulsed power load up to **10-25 J/cm**,
- Max UVC flux to a product: **1-2 J/cm²/pulse**.

V > Joule/pulse: blue > both lamps

black/red > only the upper lamp, red > lamp limits!

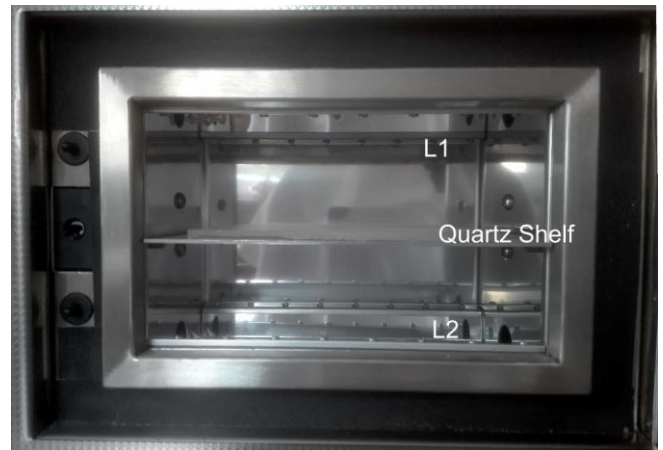


Main features:

- two flash lamps modules 20 cm long with parabolic 98% reflectors –one above UV and another is under transparent shelf;
- choices to operate both at the same time or only the upper lamp.
- pulse energies are **250J** to **1000J** dialled from the front display,
- operating both lamps simultaneously splits dialled energy equally between both lamps.
- single pulsing by pressing the red button after dialling the energy by the green button and controlling it with the analogue kV,

PL chamber:

20 cm wide x 24 cm high x 18 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. **Safety:** once HV is on, the door of PL chamber is locked automatically and seals UV light, EM fields or Ozone.



EI connection:

208-240 VAC, one phase, 50-60 Hz, 300 w air cooled,

Size, Weight, Enclosure Material:

60 cm wide x 40 cm high x 53 cm deep, polished stainless-steel, weight 42 kg.

our similar PL systems are working at many universities and production labs worldwide.

