

Portable sterilizer

Country of origin | Switzerland

Primary function | Disinfection of medical devices

Health problem addressed

This technology decreases the cost of sterilization cycle by a factor 100 compare to traditional autoclave method: water consumption is divided by 1 000 and energy need by 100. A functional prototype is up and running.

Disease addressed

The technology does not address a specific disease.



Product information

Disinfection is obtained through UV lamps which generate ozone from ambient air. Ozone is generated inside the boxes and it reacts with 1 ml of water to sterilize the content of the boxes. At the end of the cycle, the ozone is destroyed with UV lamps.

Use and maintenance

User: Technician, nurse, general physician.

Training: 1 day training on the importance of sterilization, as well as on safe and appropriate use. Training on the machine is less than 1 hour.

Environment of use

Setting: Rural settings, urban settings, outdoors, indoors, primary level (health post, health centre), secondary level (general hospital), tertiary level (specialists hospital), ambulances.

Energy requirements: Replaceable batteries, rechargeable battery, continuous power supply, solar power.

Product specifications

Accessories: Chemical indicator.

Other features: 1 ml of water and 0.01 kWh of electricity per cycle.

Commercial information

Reference price (USD): 12000

Contact Marc Spaltenstein | Telephone +41 79 778 53 73 | Web <https://bit.ly/2NY7HVt>