



## TECHNICAL SPECIFICATIONS

**Autoclave with Integrated Shredder for Medical Waste**  
under the Interreg NEXT Romania–Republic of Moldova Project (ROMD00318)

### Equipment Description

Autoclave designed for the treatment of medical waste (solid and liquid), converting it into municipal waste through saturated steam sterilization, equipped with an integrated shredder for volume reduction.

### Sterilization Functional Requirements

- Continuous operation capacity: 24/7 **YES**
- Capability to perform two shredding loads prior to a single sterilization cycle **It is possible but not recommended because it is not allowed to open the machine before the end of the cycle. Moreover, this creates risks of infectious contamination for the operator. Finally, with a cycle duration of 30 minutes, 2 treatment cycles can be achieved per hour.**
- Equipped with a metallic platform for operation and maintenance **YES**

*Minimum mandatory requirements*

### Technological Process

Pre-vacuum, followed by saturated steam exposure, and post-vacuum. **Vacuum not required. Machine delivered with a flash tank. But we can provide it as an option with an additional cost of 1 500 €.**

*Minimum mandatory requirements*

### Programs

- Solid medical waste **YES**
- Liquid medical waste **YES**
- Solid medical waste with prion inactivation **YES**

*Minimum mandatory requirements*

### Sterilization Efficiency

To be confirmed by test reports (microbiological testing) issued by an accredited laboratory, demonstrating:

- Solid waste: (SAL)  $\geq 10^{-18}$
- Liquid waste: (SAL)  $\geq 10^{-6}$
- For solid waste with prion inactivation: (SAL)  $\geq 10^{-6}$

*Minimum mandatory requirements*

*Evaluation criterion: higher capacities will be scored*

*Yes, see BIORISK certificate enclosed*

### Exposure Time

$\leq 20$  minutes

*Minimum mandatory requirements*

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