



## Small-scale Decontamination System for Liquid Biowaste

- Laboratories
- Research Centers
- Hospitals

Biocontainment Environments

BSL2

BSL3

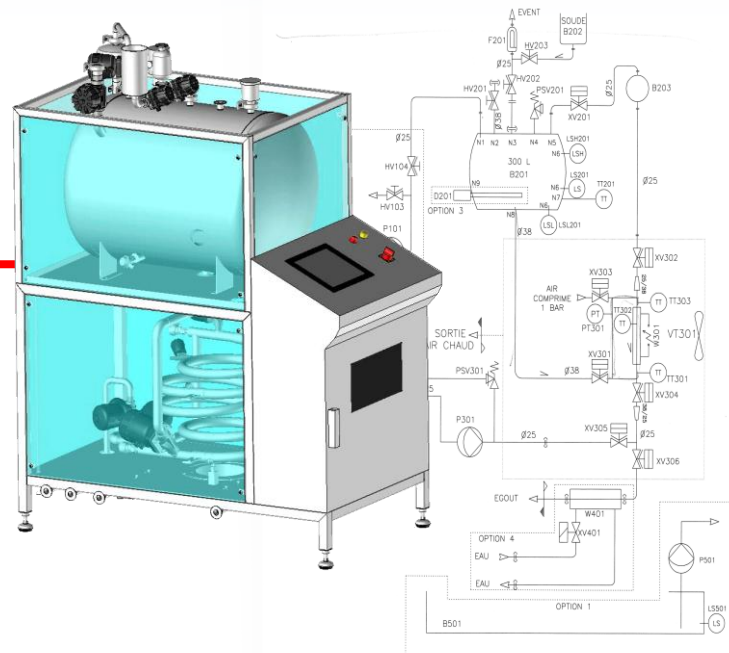
BSL4

To treat liquid biowaste contaminated with pathogens for a safe disposal

From 50 to 500 liters per day

### Decontamination Principle

- **Heat treatment** with adjustable thermal set point to inactivate any kind of biowaste
- **Centralized biowaste collecting**
- **PLC-controlled system with touch screen:** control of both cycles and alarms, recording of the treatment cycles



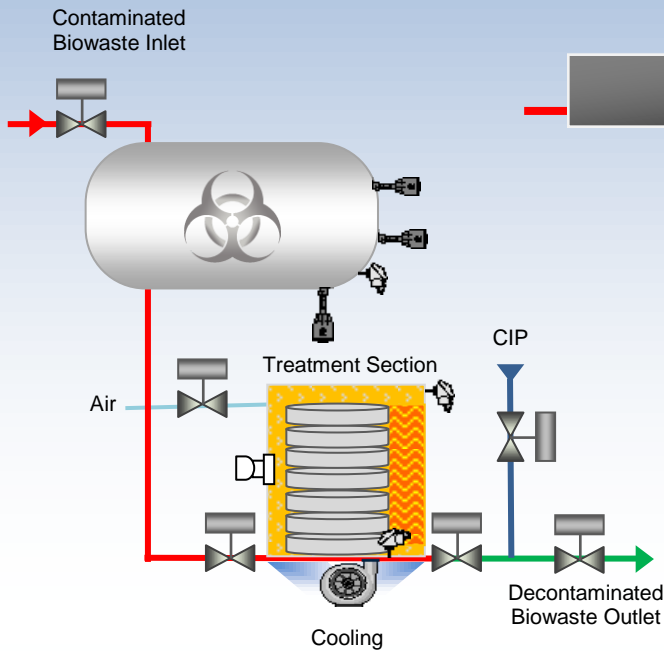
Liquid Biowaste Heat Treatment System for  
Biology Labs...Animal Labs...R&D Centers...Hospitals

**Safe** ●  
**Efficient** ●  
**Compact** ●



## Standard Design

- Actijoule<sup>®</sup> electric heating system (installed power: 7 to 14 kVA)
- Gravity flowing from the collecting tank
- Air cooling of the biowaste (indirect ventilation)
- Dimensions : L: 1,400 mm – W: 800 mm – h: 2,000 mm



## Operation

- Collecting and storage of the biowaste in an inside tank
- Automatic inlet of the biowaste in the heating section according to the tank level
- Inactivation:
  - Biowaste heating at the right treatment temperature
  - Air cooling
  - Waste discharge into the sewers
- Safety: automatic stop of the waste discharge in case of energy failure
- Clean in Place

## Options

- Lift pump
- Retention tank
- Cooler with water at the outlet
  - Cycle time shortened by 30%
- Tank pre-heating
  - Cycle time shortened by 15%
- CIP automatization



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