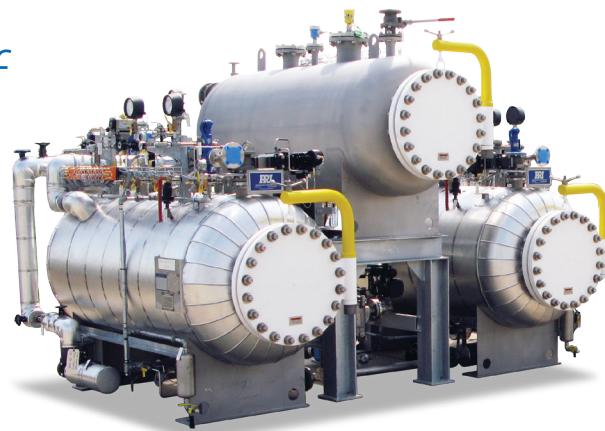


## ThermoBatch™

# Sequential batch sterilization of complex biowaste streams.

Capable of handling liquids and solids, PRI-Bio's ThermoBatch™ is one of the most versatile sterilization technologies on the market. It also does not require the use of chemicals for sterilization, making it an environmentally-conscious option.

ThermoBatch™ (EDS) sterilizes biologically active wastewater in BSL-2, BSL-3, BSL-3 AG, BSL-3 Enhanced, and BSL-4 research labs prior to discharge. The system provides "proof of process" documentation, ensuring that steps are being taken to protect public safety and the environment.



## MAXIMUM FLEXIBILITY & EFFICIENCY

- Designed to meet requirements of your waste stream- including various solids handling
- Easily adapts to your program changes
- Modular design provides flexibility for growth- add additional modules (process tanks, collection tanks) as needed
- Can handle all effluent types- allows flexibility of lab operations
- Adjustable time and temperature
- Flexible heat- system can be built to accept your energy source (steam, thermal fluid, gas or electric)
- **Chemical-free technology**- environmentally friendly
- Energy recovery option- technologies can be incorporated to improve efficiency and reduce operating costs

## PROVEN PROCESS & DESIGN

- Sterilization of  $>10^6$  log reduction of GeB Stearothermophilus
- Process validation of every batch- document and track system performance
- Low maintenance operation
- Fully automated
- Cooled prior to discharge
- Sterile filter modules

## TECHNICAL SUMMARY

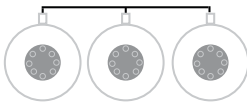
Biosafety Class:	BSL-1 through BSL-4
Operating Capacity: (batch)	from 378 L (100 G) to 567,812 L (150,000 G)
Power:	1ph/3ph to suit site requirements
Controls:	NEMA 4 PLC based, color touchscreen HMI data logging - optional remote panels and alarms
Material of Construction:	316 L SS wetted components
Heat Source Options:	<ul style="list-style-type: none"> <li>• Electric</li> <li>• Direct steam injection</li> <li>• Jacket with steam or Thermal Fluid</li> </ul>

## ThermoBatch™

Sequential batch sterilization of complex biowaste streams.

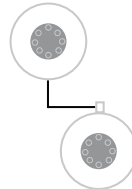
### AVAILABLE CONFIGURATIONS

*Illustrations below show common configurations only. PRI Bio offers custom designs to meet your specifications for capacity and N+1 redundancy.*



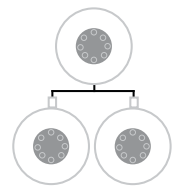
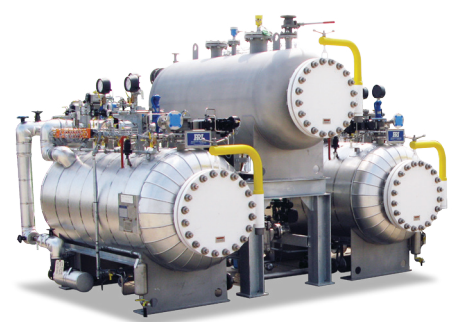
**1**

(3) **Or more** Process Tanks



**2**

(1) Collection Tank  
(1) Process Tank



**3**

(1) Collection Tank  
(2) **Or more** Process Tanks