

HORIZONTAL Thermal Tissue Digester (TTD)

PRI Bio's patented* third generation Thermal Tissue Digester™ (TTD™) represents a revolutionary advancement in tissue disposal, by using agitation and heat to break down tissue with alkali, minimizing water and caustic in the process.

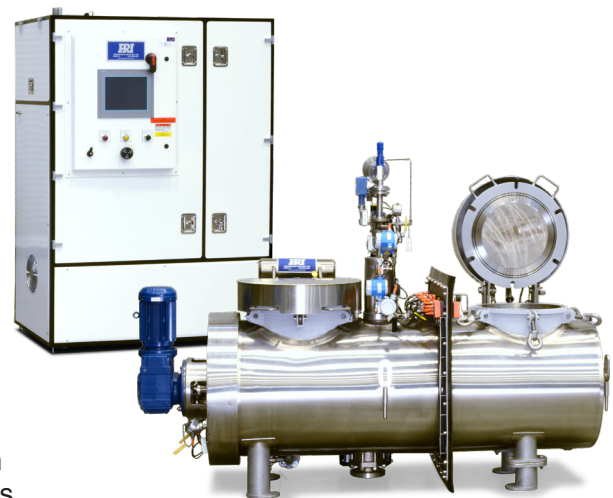
The shorter height, and multiple BSL containment loading options make the **Horizontal TTD** an unprecedented flexible solution for maximizing lab space. Ideal for space constrained BSL1 through BSL4 research laboratories.

INNOVATIVE DESIGN

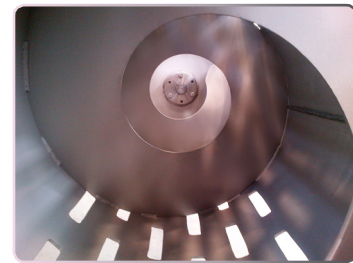
- Fully automated operation with process validation reporting
- *Proprietary thermal biokill process, effective, regulatory approved
- Easy loading hatch, redundant seals
- *Proprietary agitator designed for maximum, unobstructed loading
- Variable speed drive processes load into a homogenous slurry
- Durable double-mechanical seals w/pressure monitored barrier fluid

ADVANCEMENTS & BENEFITS

- Biosafety Level Design: Utility Room or Cleanroom (Containment)
- **Lowest overall carcass disposal cost**
- Reduced operating expense and cycle times over alternative systems
- Low water and caustic consumption
- Minimal footprint for efficient lab space utilization
- Environmentally-friendly alternative to incineration
- Safe operation - process fluids are contained within ASME vessel, eliminating pressurized contaminated piping system
- Internal agitation - **eliminates remnant basket and manual cleanout**
- Fully integrated in-house design, fabrication, testing and service ensures high production quality and long life of equipment
- **Available in Single or Dual Hatch systems** (interlocked for multi-lab/BSL)
- Wet or dry sterile discharge (dehydrated within pressure vessel)



(18-TTDH-300DH-BS model shown)
Dual Hatch w/Bioseal



proprietary internal agitator

TECHNICAL OVERVIEW

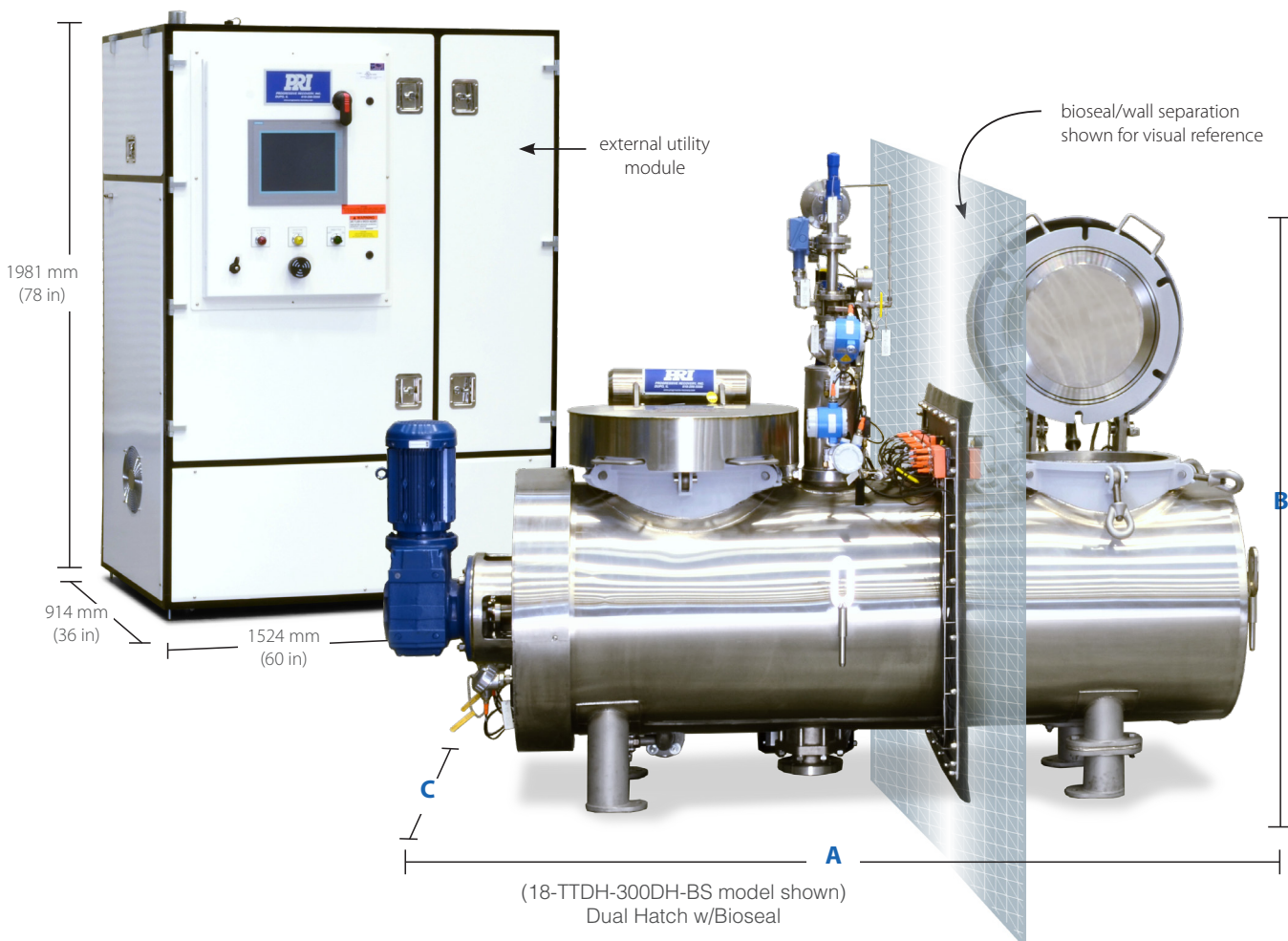
Biosafety Level:	BSL-2, BSL-3, BSL-4
Load Capacities:	from 75 kg to 225 kg
Structural:	Floor Mount, Platform or Thru-the-Wall
Containment Bioseal:	Embed with Seamless, Bubble-Tight or Ultra-Tight
Heating System:	Steam, Gas or Electric
Cooling System:	Closed Loop or Direct Contact

* Patented: US 8,771,596 B2 / WO 2012054722 A2

HORIZONTAL Thermal Tissue Digester (TTD)

MODELS	HATCH DIAMETER	NOMINAL LOAD	A	B	C
12TTDH-150	304 mm (12 in)	75 kg (150 lbs)	2438 mm (8')	1676 mm (5'6")	914 mm (3')
18 TTDH-300	457 mm (18 in)	150 kg (300 lbs)	2591 mm (8'6")	1829 mm (6')	1219 mm (4')
24 TTDH-500	610 mm (24 in)	225 kg (500 lbs)	3048 mm (10')	1981 mm (6'6")	1372 mm (4'6")

All dimensions and load capacities are approximate and may vary depending upon customer requirements.



Biowaste Sterilization | Solvent Wash & Recovery | Custom Process Skids | Service

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TTD-Horizontal-Spec-20170309