

VERTICAL 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. Ideal for Biosafety Level 1 - 4 animal research laboratories.

INNOVATIVE DESIGN

- Fully automated operation with process validation reporting
- *Proprietary thermal biokill process, effective, regulatory approved
- Heavy duty hydraulic loading hatch, redundant seals and locking ring
- *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
- Environmentally-friendly alternative to incineration
- Minimal footprint for efficient lab space utilization
- Safe operation - process fluids are contained within ASME vessel, eliminating pressurized contaminated piping system
- Internal agitation - **no remnant basket or manual cleanout needed**
- Fully integrated in-house design, fabrication, testing and service ensures high production quality and long life of equipment
- Wet or dry sterile discharge (dehydrated within pressure vessel)
- Visual monitoring of process via secure video camera

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



TECHNICAL OVERVIEW

Biosafety Level:	BSL-2, BSL-3, BSL-4
Load Capacities:	from 300 kg to 5000 kg
Structural:	Platform or Thru-the-Floor
Containment Bioseal:	Embed with Seamless, Bubble-Tight or Ultra-Tight
Heating System:	Steam, Gas or Electric
Cooling System:	Closed Loop or Direct Contact

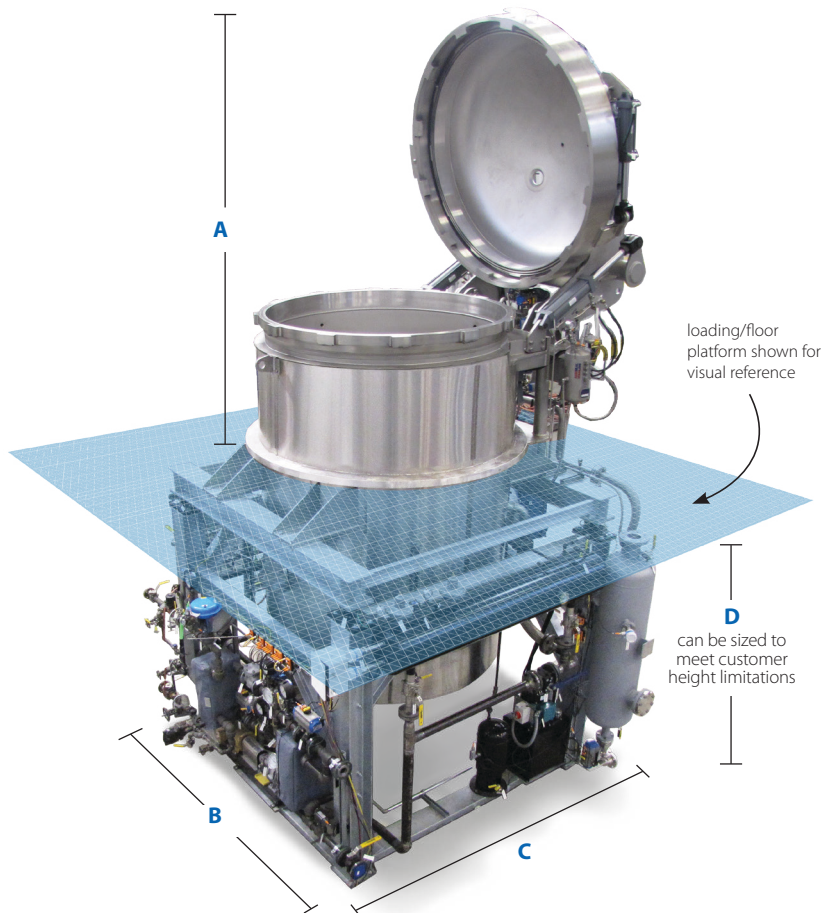


sample of dry discharge -
sterile for landfill

VERTICAL (skid or through-the-floor) Thermal Tissue Digester (TTD)

MODELS	HATCH DIAMETER	MAX LOAD	A	B	C
36TTD (skid)	915 mm (36 in)	300 kg (625 lbs)	3560 mm (11' 8") (overall height)	3050 mm (10') (width)	4470 mm (14' 8") (length includes stairway)
36 TTD	915 mm (36 in)	300 kg (625 lbs)	1880 mm (6' 2")	2800 mm (9' 2")	2290 mm (7' 6")
48 TTD	1220 mm (48 in)	600 kg (1250 lbs)	2515 mm (8' 3")	3100 mm (10' 2")	2565 mm (8' 5")
60 TTD	1525 mm (60 in)	1200 kg (2500 lbs)	2900 mm (9' 6")	3560 mm (11' 8")	2975 mm (9' 9")
72 TTD	1830 mm (72 in)	2300 kg (5000 lbs)	3280 mm (10' 9")	3405 mm (11' 2")	3660 mm (12')
84 TTD	2135 mm (84 in)	3600 kg (8000 lbs)	3430 mm (11' 3")	3710 mm (12' 2")	3965 mm (13')
96 TTD	2440 mm (96 in)	5000 kg (11000 lbs)	3585 mm (11' 9")	4015 mm (13' 2")	4270 mm (14')

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



Optional Lifting & Tipping Accessories:

Designed to simplify the loading of material into a Thermal Tissue Digester (TTD), PRI offers two optional custom-designed tipping solutions. Electric or manually operated tipping units hook directly to an existing hoist or lift mechanism, allowing operator to guide material safely toward the digester.

