BioSAFE Engineering

Model BE-Lab-5 Tissue Digester – Alkaline

- *5 kgs per cycle loading capacity*
- *Siemens or AB PLC control system*
- *316 SS welded process piping with industrial grade valves and components*
- *100% non-proprietary components*
- *UL and CSA listed components CE also available*
- *UL listed control system*
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Tissue Digester - Alkaline Systems are BioSAFE Engineering's state of the art, environmentally friendly, technology for the sterilization and disposal of bio-hazardous waste. Our time tested and validated Alkaline Hydrolysis (AH) process ensures the highest Sterility Assurance Level of any bio-waste treatment system.

This technology is supported by US and international patents with applications in life sciences, agriculture, healthcare, and bio-defense fields. Our AH systems are the leading alternative to incineration for anatomic, biological, infectious, pathologic, and rendering wastes.

BioSAFE Engineering's Tissue Digesters are available with processing capacities of 11 lbs to 10,000 lbs per cycle.

BioSAFE provides project support:

- *From conception to decommissioning*
- *Design*
- *Installation*
- *Validation*
- *Training*
- *Preventative Maintenance*

Optional Upgrades:

- *BSL-3 and BSL-4 compliant applications*
- *Processing chamber configuration*
- *Electric heating*

ASME SETTING THE STANDARD

A Clean Technology Company

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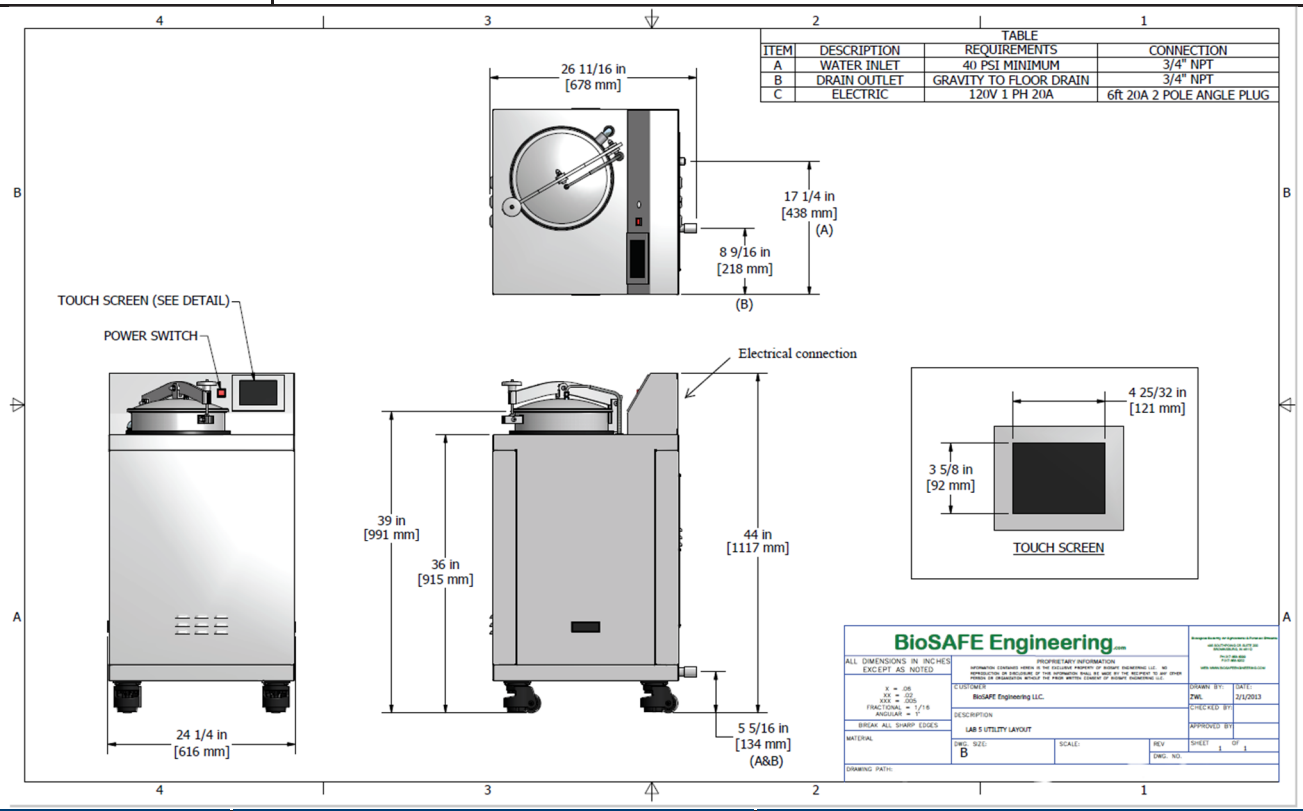
MODEL BE-Lab-5 Tissue Digester - Capacity: 5 kg	
Operating Temp	205F (95°C)
Vessel Size	16” Internal diameter
Control Cabinet	Siemens or AB UL / CUL/ CE
Vessel Characteristics	316 SS wetted parts with manual locking lid
Heating Method	Electric heating
Safety Features	Safety PLC, and ergonomic design for maintenance and loading
Cycle Time	20-24 hrs
Lid Type(s)	Manual
Chemical Type	KOH



CONNECTION	SIZE	REQUIREMENT
Water	1/2” NPT	60-80 PSI 10GPM Min
Drain	3/4” NPT	
Electrical	120V 20A	Dedicated outlet
Chemical	Dry flake or pellet	Manually added
Ethernet	Open Internet connection	CAT 5E Minimum