



## Model TEDS-150-75 Effluent Decontamination System



- *75 gallons per cycle*
- *150 gallon holding tank*
- *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*

**Thermal Effluent Decontamination System** – Batch EDS are designed to state of the art, environmentally friendly, technology standards for the sterilization and disposal of bio-hazardous waste. Our time tested and validated EDS designs ensures the highest Sterility Assurance Level of any bio-waste treatment system. The TEDS-150-75 can process up to 450 gallons of effluent in a 24 hour period.

This technology is supported by US and international maintenance staff with experience in life sciences, agriculture, healthcare, and bio-defense fields. BioSAFE offers EDS in an array of sizes and configurations ranging from 100 gallons per day to 500,000 gallons per day and more.

### *BioSAFE provides project support:*

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

### *Optional Upgrades:*

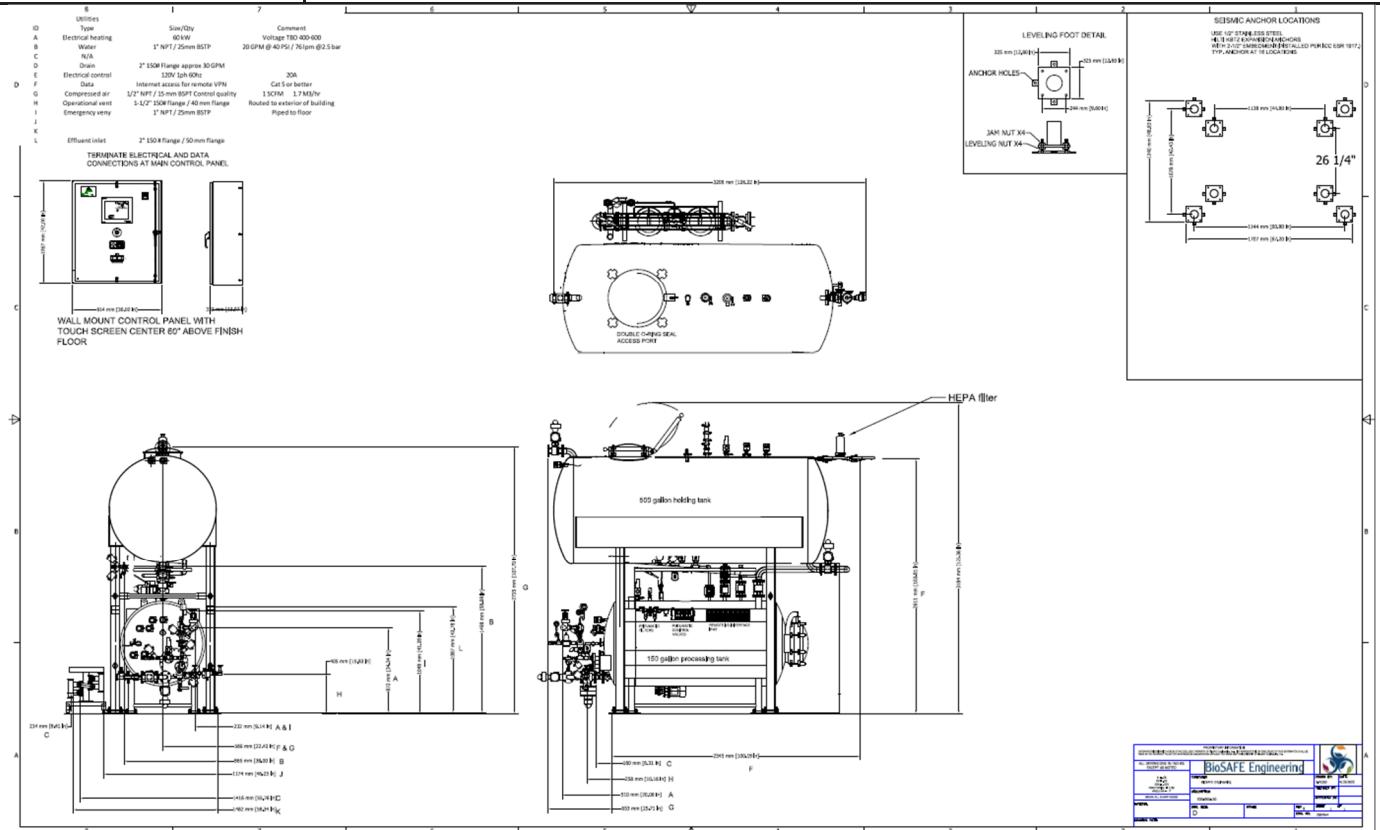
- *BSL-3 and BSL-4 compliant applications*
- *Processing chamber configuration*
- *Heat recovery*
- *Water reclamation*
- *Steam heating – upgrade option*



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## MODEL TEDS-150-75

MODEL TECU 100 TS	
Operating Temp	250°F - 285°F (121°C - 135°C)
Vessel Size	Processing tank 24" holding tank 24"
Control Cabinet	Siemens or AB UL / CUL/ CE
Vessel Characteristics	316 SS wetted parts with 18" access manway
Heating Method	Electric heating
Safety Features	Safety relief valves, secondary safety PLC, and ergonomic design for maintenance and loading
Cycle Time	2-3 hrs
Lid Type(s)	Manual



CONNECTION	SIZE	REQUIREMENT
Water	1" NPT / DN-25 BSPT	40 PSI 20 GPM / 2.5 bar 76 LPM
Drain	1-1/2" NPT / DN-40 BSPT	
Compressed Air	1/2" NPT / DN-15 BSPT	1SCFM - 1.7 M3/hr
Electrical 1	400v 60KW	
Emergency Vent	1" NPT / DN-25 BSPT	
Ethernet	Open Internet connection	CAT 5E Minimum
Vent	To room	HEPA filter provided
Data	Internet access for remote VPN	Cat 5 or better

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