

## The AstellBio Laboratory EDS

The AstellBio Laboratory EDS unit is a highly capable and versatile sterilization station (up to 250 liters per day) specifically designed for research and small-scale biopharma labs. The system includes a fully automatic, electric, sequential-batch effluent decontamination system in a compact footprint requiring only basic utilities.

### LABORATORY EDS:

The compact sequential-batch Effluent Decontamination System (EDS) automatically sterilizes and cools laboratory wastewater before sending it to the drain. A sterile filter option can be fitted to the EDS for deactivation of biological agents up to BSL-3.

### Standard Features include:

- 25L Holding tank / 12L Kill tank (ASME)
- Sequential-batch processes up to 250L / 24hrs
- Electric heating – direct immersion
- Adjustable time / temp, up to 138°C
- 5.7" Color touchscreen controller
- USB data port
- Fully programmable via password protection
- Stainless steel tanks
- Biowell for validation
- Level & Temperature controlled
- Pressure gauge and displays
- Drain cooler with heat exchanger
- Safety valve
- Continuous stage monitoring
- Emergency stop



### Additional Options for Consideration:

- Integral data printer for cycle data hard copy output
- Ethernet interface allows for remote PC monitoring via VNC & cycle logs can be archived to server via FTP for backup
- 316L stainless steel fascia panels
- Extra RTD for independent temperature verification
- Sterile Filter (BSL3) upgrade
- IQOQ documentation package

### Required Services and Connections:

- 220V - 240V power supply, 1 ph, 50-60 hz
- Cold water (preferably softened) up to 20L/min
- Dedicated drain (Ø35mm 60°C waste to drain)
- Electrically heated with a 3kW heater

Drawing No. 2108-0503 Issue No. 1 Sheet Size A2  
Title: 12lt EDS Unit GA (250lt per 24hr)

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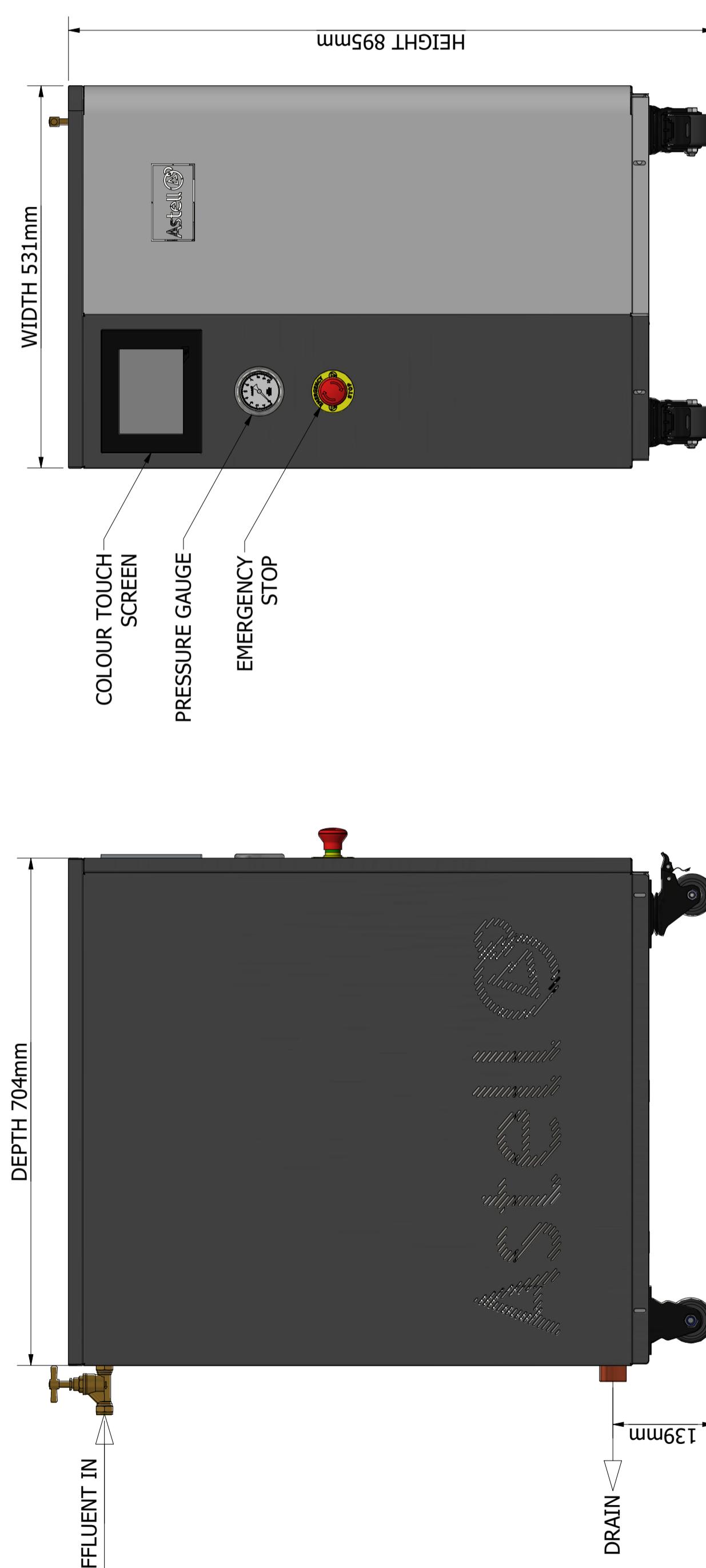
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Material:	Finish:			Job No.:
-	Drawn by: LRP	Date: 06/08/2021	Tolerance: ±0.25mm	Unless Stated Otherwise All Dimensions in mm
	Checked by: PEB	Date: 06/08/2021		3rd Angle Projection
	Issued by: LRP	Date: 06/08/2021	Scale: 1:6	Title: 12lt EDS Unit GA (250lt per 24hr)

ISSUE	DATE	ORIGINAL ISSUE		MOD REQUEST No.
		DESCRIPTION	MOD REQUEST	
1	06/08/2021			A2