



AUXO® V Control Tower

Fit-for-purpose, intuitive control tower with high-precision components for efficient, customizable, and remote-controlled bioprocessing

KEY FEATURES

- ✓ Application-based “fit-for-purpose” customization (cell, microbial, plant,...)
- ✓ High quality components (PLC Siemens, sensors Hamilton, pumps Watson Marlow)
- ✓ Next-gen bioreactor software with pre-configured cultivation programs
- ✓ Three interfaces to ensure usability for various user groups
- ✓ Advanced sensor integration and gas flow control options
- ✓ Remote monitoring

APPLICATIONS

- Cellular agriculture
- Novel ingredients & nutraceuticals
- Biopharma & therapeutic R&D
- Academic and industrial research

The AUXO® V Control Tower features a modular design with flexible configuration options to match your specific process needs. Choose between models that control one or two vessels, with a customizable number of high-precision Watson Marlow pumps.

Built around a robust Siemens PLC, the system integrates Hamilton sensors for gold-standard accuracy. Designed for optimal efficiency, the setup focuses on essential components, minimizing complexity without compromising performance.

The intuitive Human-Machine Interface (HMI) enables easy operation with a recipe-based control system, ideal for users of all experience levels. With USB 2.0, Industrial Ethernet, and MODBUS connectivity, and secure web-based remote access, the AUXO® V Control Tower ensures seamless integration, real-time monitoring, and full control-anytime, anywhere.

Control tower: technical specs

AVAILABLE MODELS

CT-GL-001	AUXO V® Single Vessel Control Tower 4 pumps (4 / vessel) available vessels: 2 - 15L
CT-GL-002	AUXO V® Dual Vessel Control Tower 2 pumps (1 / vessel) available vessels: 2 - 15L
CT-GL-003	AUXO V® Dual Vessel Control Tower 8 Pumps (4 / vessel) available vessels: 2 - 15L



HARDWARE	CT-GL-001	CT-GL-002	CT-GL-003
Dimensions	85x44x48 cm	85x44x48 cm	85x44x48 cm
Weight	75 kg	75 kg	75 kg
Industrial PLC (Siemens)	✓	✓	✓
Peristaltic pumps (Watson Marlow)	4	2	8
10" touch screen (Siemens)	✓	✓	✓
M8 connectors	2	2	2
M12 connectors	3	3	3
USB 2.0	✓	✓	✓
Industrial Ethernet	✓	✓	✓
MODBUS interface	✓	✓	✓
Emergency stop button	✓	✓	✓

SOFTWARE	CT-GL-001	CT-GL-002	CT-GL-003
System monitor	Gas flow, agitation, DO, pH, feed pump, temperature		
Standard integrated sensors	pH, temp, DO		
Data logging integration	✓	✓	✓
Pre-configured and custom recipes	✓	✓	✓
Export formats	.csv and .xls	csv and .xls	csv and .xls
Recording capacity	30 days	30 days	30 days
Stratified user management	✓	✓	✓
Web-based remote monitoring	✓	✓	✓