

# AMBIS 360



## Intelligent In-line Buffer Management

Biomanufacturing is rapidly evolving toward small-batch, high-value therapies, especially in cell and gene therapy (CGT). Traditional buffer and media preparation systems—designed for large-scale production—struggle to meet the flexibility, speed, and footprint constraints of modern workflows.

AMBIS 360™ is an adaptive in-line buffer and media preparation system purpose-built for small-scale manufacturing. Featuring 8 highly accurate peristaltic pumps with in-line pH/temperature monitoring and control, it replaces manual compounding with compact, automated precision.

### AMBIS 360™ SPECIFICATIONS

<b>Pumps</b>	8× high precision Watson Marlow®
<b>Flow Rate Range</b>	35 – 1,700 mL/min
<b>Pump Accuracy</b>	±1% (filling & dosing)
<b>pH Range</b>	2 – 12
<b>Process Temperature</b>	0 – 40 °C
<b>Fluid Connectivity</b>	Single-use bags / Carboys (1 – 50 L)
<b>Electrical</b>	120 VAC, 1-ph, 60 Hz
<b>Electrical Protection</b>	NEMA 4×, IP55
<b>Dimensions (WxDxH)</b>	16 × 16 × 32 in
<b>Operator Interface</b>	AMBIS Connect™ (Windows)
<b>External Communication Protocol</b>	OPC®

Dimensions exclude stock and buffer/media storage. Customized configurations available.



### WHY AMBIS 360™

#### Built for CGT Workflows

Small-scale manufacturing,  
Cell & gene therapy, multi-product

#### Adaptive & Modular

Configurable design with rapid  
deployment across workflows

#### Closed-Loop Automation

Real-time pH monitoring and  
feedback control

#### Single-Use Fluid Path

Eliminates cleaning, reduces  
contamination risk

#### Compact Footprint

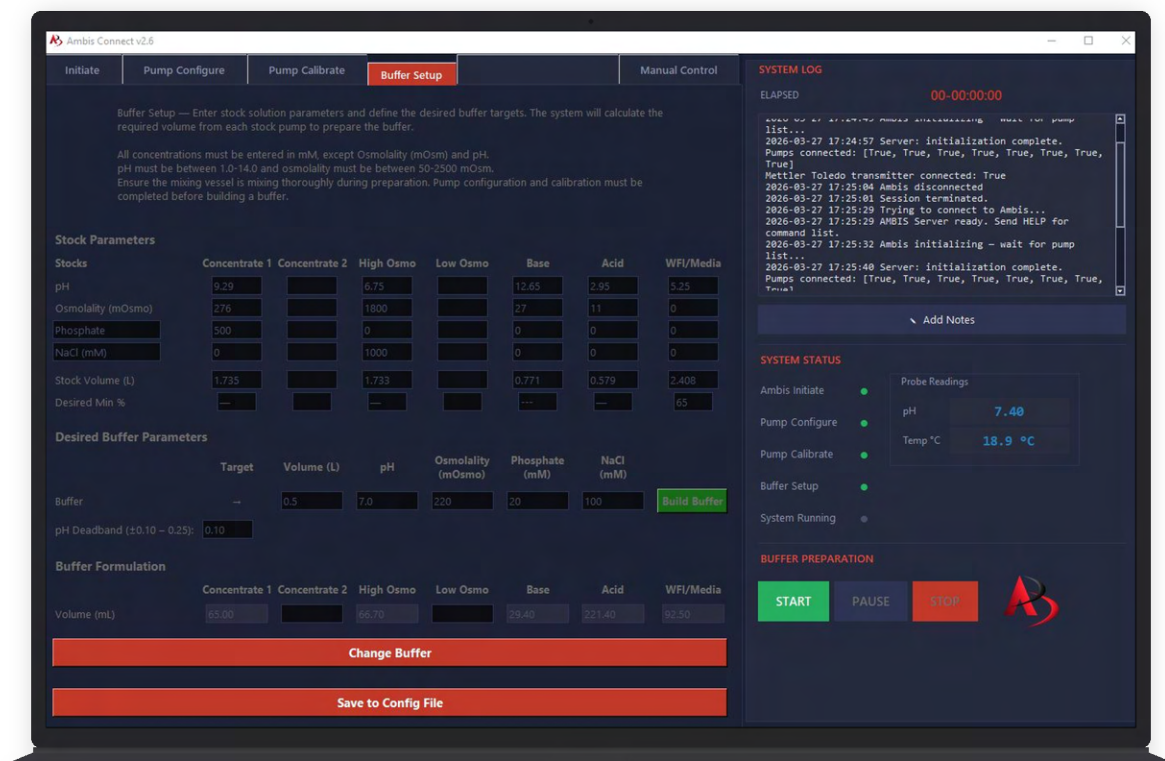
16×16×32 in. optimized for tight  
bench spaces

**REQUEST A QUOTE**



## AMBIS CONNECT™ – INTELLIGENT CONTROL

At the core of AMBIS 360™ is AMBIS Connect™, an advanced software platform that transforms buffer preparation from a manual task into an intelligent, automated process.



### Key Capabilities

- Input formulation parameters → automatic volume calculations
- Automated dispense and multi-stream blending
- Eliminates manual calculations and operator error

### Digital Integration

- OPC-enabled architecture for SCADA/DCS integration
- Centralized data collection and process visibility
- Supports batch traceability and digital manufacturing

### IMPACT

- Reduces manual preparation time and operator dependency
- Improves batch-to-batch consistency and reproducibility
- Minimizes facility footprint and infrastructure needs
- Enables faster turnaround for small-batch production

### APPLICATIONS

- Cell & Gene Therapy
- Process Development
- Upstream Processing
- Downstream Processing
- Formulation & Fill

## Contact Us

### Applied Biosensors, Inc.

2500 S State St. Suite D224, Salt Lake City, Utah 84115

801-477-0570 info@appliedbiosensors.com

www.appliedbiosensors.com

# AMBIS 360

Precision. Automation. Adaptability.