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HUMIDITY CHAMBER AZA1064

The AZA1064 Humidity Chamber from AZALAB is a precision-engineered environmental testing system designed to maintain accurately controlled temperature and relative humidity conditions over extended periods. It is ideal for evaluating product stability, durability, and performance under controlled climatic environments.

Widely used in pharmaceutical, food, electronics, packaging, research, and academic sectors, the AZA1064 enables reliable environmental simulation, supporting compliance with GMP, GLP, and ICH stability testing requirements.



KEY FEATURES

Accurate Environmental Control

- Microprocessor-based PID controller ensures precise regulation of temperature and humidity with minimal deviation.

Stable Long-Term Performance

- Designed for continuous 24/7 operation, maintaining stable conditions over extended testing cycles.

Uniform Temperature & Humidity Distribution

- Optimized airflow and humidification system provide consistent conditions throughout the chamber.

User-Friendly Interface

- Digital LED / LCD display
- Easy parameter setting and monitoring
- Intuitive control panel for efficient operation



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Construction & Design

Durable Inner Chamber

- Constructed from SS 304 stainless steel, ensuring corrosion resistance and easy cleaning.

Robust Outer Body

- Powder-coated mild steel construction for strength, durability, and long service life.

Efficient Insulation System

Double-walled design with polyurethane foam or glass wool insulation for:

- Reduced heat and moisture loss
- Improved energy efficiency
- Stable internal conditions

Control & Safety Systems

Advanced Control System

- PID microprocessor controller
- Optional data logging and connectivity

Alarm & Monitoring Features

- Audio/visual alarms for deviations
- Power and system fault alerts
- Humidity system monitoring

Safety Protections

- Over-temperature protection
- Continuous system monitoring
- Safe operation during long-duration tests



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TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1064
Temperature Range	+10°C to +60°C (extendable on request)
Humidity Range	40% to 95% RH
Temperature Accuracy	±1°C
Humidity Accuracy	±3% RH
Inner Chamber	Stainless Steel (SS 304)
Outer Body	Powder-coated Mild Steel
Insulation	Polyurethane Foam / Glass Wool
Controller	PID Microprocessor
Display	Digital LED / LCD
Humidity System	Steam generator / Ultrasonic humidifier
Shelves	Adjustable Stainless Steel
Alarm System	Audio / Visual deviation alarms
Power Supply	220 V AC, 50 Hz