



UNIVERSE GAS-PURIFYING CHEMICAL SAFETY CABINET AZA1303

The Gas-Purifying Chemical Safety Cabinet AZA1303 is an advanced laboratory storage system engineered to safely store hazardous chemicals while continuously purifying laboratory air. Designed with intelligent airflow management, multi-stage gas filtration technology, smart monitoring systems, and high-grade corrosion-resistant construction, the AZA1303 provides a safer, cleaner, and more efficient laboratory environment.

Ideal for pharmaceutical laboratories, chemical laboratories, research facilities, educational institutions, biotechnology centers, and industrial testing environments, this cabinet ensures safe chemical storage while minimizing operator exposure to toxic vapors and harmful gases. The ductless design eliminates the need for external exhaust pipelines, making installation simple, energy-efficient, and environmentally friendly.



STANDARD SUPPLY INCLUDES

- 1 × AZA1303 Gas-Purifying Chemical Safety Cabinet
- Integrated LCD Touch Screen Control System
- Molecular Filtration System
- HEPA Filtration Unit
- Adjustable Shelving System
- RFID Access Control System
- Power Cable
- User Operation Manual
- Compliance & Calibration Documentation



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TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1303
Product Type	Gas-Purifying Chemical Safety Cabinet
External Dimensions (W × D × H)	800 × 548 × 1960 mm
Internal Dimensions (W × D × H)	797 × 450 × 1493 mm
Molecular Filter Size	370 × 395 × 50 mm
Primary Filter Size	370 × 396 × 21 mm
Display	5-Inch LCD Touch Screen
Number of Shelves	8 Adjustable Shelves
Shelf Load Capacity	> 70 kg/m ²
Storage Capacity	Approx. 160 Bottles (500 ml Each)
Cabinet Volume	0.55 m ³
Air Handling Capacity	230 m ³ /h
Noise Level	40 dBA



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TECHNICAL SPECIFICATIONS

Parameter	Specification
Power Supply	220V / 50Hz
Power Consumption	42 W
Gross Weight	180 kg
Filtration Type	Molecular + HEPA Filtration
HEPA Efficiency	99.995% @ $\geq 0.3 \mu\text{m}$
Fan Type	24V PSC Ultra-Quiet Fan
Installation Type	Ductless / Standalone

SAFETY & MONITORING SYSTEMS

- RFID Smart Lock System

Card-based access control with configurable single-user or dual-user authorization.

- Real-Time Environmental Monitoring

Continuous display of temperature and humidity with programmable alarm settings.

- Fan Failure Alarm

Automatically alerts users in case of airflow or fan malfunction.

- Filter Saturation Detection

VOC probe-based monitoring system warns users when filters require replacement.

- Spark-Free PSC Fan

Anti-static, low-noise, energy-efficient fan designed for safe laboratory operation.

- HEPA Filtration System

Provides 99.995% filtration efficiency for particles $\geq 0.3 \mu\text{m}$ in compliance with ASTM filtration standards.