



UNIVERSE CHEMICAL AIR-PURIFYING SAFETY CABINET AZA1304

The Chemical Air-Purifying Safety Cabinet AZA1304 is an advanced ductless chemical storage solution engineered for the safe containment of toxic, hazardous, and volatile chemicals while continuously purifying laboratory air. Designed with intelligent airflow management, advanced molecular filtration technology, IoT-enabled monitoring systems, and energy-efficient operation, the AZA1304 provides superior laboratory safety and environmental protection. Its pipeline-free design eliminates the need for external exhaust systems, significantly reducing installation costs and simplifying deployment in modern laboratories. The cabinet is ideally suited for pharmaceutical facilities, R&D laboratories, quality control labs, research institutions, educational laboratories, and industrial testing environments.



OPTIONAL ACCESSORIES

- HEPA H14 Filtration Module
- Additional Molecular Filters
- Perforated Galvanized Shelves
- Remote Monitoring Upgrades
- RFID Access Control
- Chemical Classification Labeling



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TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1304
Product Type	Chemical Air-Purifying Safety Cabinet
External Dimensions (W × D × H)	800 × 510 × 2070 mm
Internal Dimensions (W × D × H)	797 × 475 × 1604 mm
Molecular Filter Size	370 × 395 × 50 mm
Primary Filter Size	370 × 396 × 21 mm
Display	7-Inch IoT LCD Touch Screen
Shelf Quantity	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	220 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	208 kg
Filtration Type	Molecular Filter + Optional HEPA H14
HEPA Efficiency	99.995% @ $\geq 0.3 \mu\text{m}$
Fan Type	24V Ultra-Quiet PSC Fan
Installation Type	Ductless / Standalone

CONSTRUCTION & DESIGN

- Cabinet Body

Manufactured using ≥ 1.2 mm galvanized steel with epoxy resin electrostatic coating for superior corrosion resistance and moisture protection.

- Door Panels

Constructed from ≥ 6 mm transparent acrylic panels offering excellent visibility, durability, and anti-aging performance.

- Shelving System

Integrated PP trays resistant to acids and alkalis with 4.5L spill containment capacity per shelf.

Optional perforated galvanized shelves available for specialized applications.

- Leakage Collection Drawer

Integrated PP spill drawer designed to safely contain accidental chemical leakage from damaged containers.