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## **DIGITAL DOUBLE DOOR DRYING OVEN AZA1058**

The AZA1058 Digital Double Door Drying Oven is a high-performance, forced-air convection oven engineered for precision drying, sterilization, curing, aging, and material conditioning in laboratory and industrial environments. Designed for high-throughput and critical applications, it delivers excellent temperature uniformity, stability, and repeatability, even during continuous operation. The double-door configuration enhances efficiency by minimizing heat loss and improving workflow control.

### **KEY FEATURES**

- Advanced microprocessor-based PID digital temperature control
- Forced air circulation for uniform heat distribution
- Double-door design for reduced heat loss and improved access
- High-temperature resistant stainless steel inner chamber
- Rapid heating with nickel-chrome tubular heaters
- Adjustable shelving for flexible sample accommodation
- Real-time temperature display and precise control
- Designed for continuous industrial and laboratory operation





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### CONSTRUCTION DETAILS

- Inner Chamber: Stainless Steel (SS 304 / SS 316)
- Outer Body: Powder-coated mild steel / stainless steel
- Insulation: High-density mineral wool / ceramic fiber
- Heating System: Nickel-chrome tubular air heaters
- Air Circulation: Motorized blower fan (forced convection)
- Door Type: Double door (vertical / horizontal split)
- Door Gasket: High-temperature silicone

### APPLICATIONS

- Pharmaceutical drying and stability testing
- Chemical sample preparation and processing
- Electronics drying (PCB baking, component curing)
- Material testing, aging, and heat treatment
- Glassware sterilization
- Industrial drying and conditioning

### ADVANTAGES

- Superior temperature uniformity due to forced air circulation
- Reduced heat loss with double-door configuration
- High precision PID control for critical applications
- Fast heating and consistent performance
- Suitable for large-scale and continuous operations
- Flexible capacity and configuration options



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**TECHNICAL SPECIFICATIONS**

<b>PARAMETER</b>	<b>SPECIFICATION</b>
Model	AZA1058
Type	Digital Double Door Drying Oven
Chamber Type	Forced Air Convection
Temperature Range	Ambient +5°C to 250°C / 300°C
Temperature Accuracy	±0.5°C to ±1°C
Temperature Uniformity	±1°C to ±2°C (at 100°C, unloaded)
Controller	Microprocessor PID Digital Controller
Inner Chamber Material	Stainless Steel (SS 304 / SS 316)
Outer Body	Powder-coated MS / Stainless Steel
Insulation	Mineral wool / Ceramic fiber
Heating Elements	Nickel-chrome tubular heaters
Air Circulation	Motorized blower fan



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### TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Shelves	Adjustable wire mesh / perforated SS
Door Configuration	Double door
Safety	Over-temp cut-off, MCB/ELCB, optional interlock
Power Supply	230 V AC, 50 Hz (3-phase for large models)
Capacity Range	200 L to 1000 L+

