



UNIVERSE

FLUX OVEN – 50 KG – STAINLESS STEEL AZA1273

The AZA LAB Flux Oven – Model AZA1273 is a high-performance thermal processing unit designed for uniform drying, heating, and conditioning of flux materials and powders in laboratory and industrial environments.

With a controlled temperature range of 50°C to 400°C, advanced PID temperature regulation, and forced air circulation, the AZA1273 ensures precise, stable, and repeatable thermal performance—making it ideal for ceramics, metallurgy, and materials testing applications.

Design & Construction

- Double-walled construction for thermal efficiency
- Inner chamber: Mild Steel (MS)
- Outer body: Powder-coated CRC steel
- 100 mm high-density glass wool insulation
- Heavy-duty structure designed for continuous operation
- Ergonomic and compact industrial design

Applications

- Flux drying in ceramic and tile laboratories
- Metallurgical sample preparation
- Powder dehydration and conditioning
- QA/QC laboratories and R&D facilities
- Controlled heating in industrial processes





UNIVERSE Technical Specifications

Parameter	Specification
Model	AZA1273
Capacity	50 kg
Temperature Range	50°C to 400°C
Control Accuracy	±1°C
Temperature Control	Digital PID with Auto-Tune
Heating Elements	6 High-efficiency heaters
Heating Load	3 kW, 15 A
Power Supply	440 V AC, 3 Phase
Forced Air Circulation	Yes
Inner Chamber Material	Mild Steel (MS)
Outer Body	CRC, Powder-Coated
Insulation	100 mm Glass Wool
Inner Dimensions (W×D×H)	480 × 500 × 480 mm
Outer Dimensions (W×D×H)	680 × 670 × 920 mm
Weight	Approx. 105 kg