



UNIVERSE HEATING MANTLE AZA1061

The AZA1061 Heating Mantle from AZALAB is a precision-engineered, flame-free electric heating device designed for the safe and uniform heating of inflammable and volatile liquids in round-bottom laboratory flasks. It eliminates the risks associated with open flames and exposed heating surfaces, making it an essential solution for controlled and hazard-free laboratory heating.

Built for laboratories, pharmaceutical production units, R&D facilities, academic institutions, and industrial environments, the AZA1061 delivers consistent thermal performance, high safety, and long operational life for both routine and continuous applications.

KEY FEATURES

Flame-Free Safe Heating

- Eliminates fire hazards associated with open flames, making it ideal for inflammable and volatile substances.

Uniform Heat Distribution

- Equipped with a jointless hard-knitted glass yarn heating net, ensuring even heating across the entire flask surface without hotspots.





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Durable Heating Element

- Jointless construction enhances longevity, thermal stability, and reliability under continuous operation.

Robust Outer Construction

- One-piece spun aluminum body
- Rust-proof, lightweight, and shock-resistant
- Stove-cured powder-coated finish for chemical resistance

High Thermal Efficiency Insulation

- Packed with special-grade mineral wool insulation to:
 1. Minimize heat loss
 2. Improve energy efficiency
 3. Maintain lower external surface temperature

Wide Capacity Range

- Available from 250 ml to 20 liters, suitable for both small-scale experiments and large industrial processes.

High Temperature Capability

- Supports stable operation up to 350°C.

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TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1061
Heating Element	Jointless hard-knitted glass yarn heating net
Maximum Temperature	Up to 350°C
Body Construction	One-piece spun aluminum
Surface Finish	Stove-cured powder coating
Insulation	Special-grade mineral wool
Flask Compatibility	Round-bottom flasks
Available Capacities	250 ml to 20 liters
Power Supply	230 V AC, Single Phase
Design	Compact, shock-proof, energy-efficient