

electric stove with teflon totally closed heating plate

The electric stove as a whole adopts cold-rolled steel plate shell, with Teflon heating plate design, not only has excellent corrosion resistance, but also can prevent liquid infiltration, to protect the equipment long-term stable operation.

Electric Stove

This electric stove adopts an advanced closed heating structure for excellent heating uniformity and operational safety. It is ideal for laboratory, industrial, and educational use, especially where precision and safe handling of volatile or flammable materials are required.

Features

1. **High-Strength Casing:** Made of high-quality cold-rolled steel, processed with electrostatic spraying for rust resistance and a simple, elegant appearance.
2. **Intelligent Temperature Control:** Electronic stepless adjustment provides continuous, high-precision temperature control based on user needs.
3. **Protective Design:** Tilted control panel is easy to operate and protects the core circuit from liquid splashes.



4. **Corrosion-Resistant Heating Surface:** Closed Teflon (PTFE) heating plate offers excellent chemical stability, corrosion resistance, and waterproof performance for handling a variety of reagents.

Technical Advantages of electric stove

1. **Closed Heating Plate:** No open flame—safe for heating volatile or flammable solutions.
2. **Strong Waterproof Capability:** Teflon-coated heating surface and fully enclosed structure enhance liquid protection.
3. **High Thermal Efficiency:** Evenly distributed heating elements ensure rapid and stable warming.
4. **Long-Term Durability:** No exposed heating elements, reducing risk from dust or chemical residues.

Working Principle

The stove uses resistance heating: electrical energy is converted to heat by the heating element, then transferred to the Teflon heating surface via high thermal conductivity materials. Teflon's thermal stability and insulation ensure even heat diffusion to the container base. The electronic thermostat system allows continuous power adjustment via voltage or pulse width modulation, letting users precisely set the temperature without frequent cycling.

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Model	ES100
Heating element	teflon totally closed heating plate
Power	1.5kw
Temperature adjustment method	varistor
Heating plate size	diameter 180
External dimensions	W250xD290xH80mm
Power supply	220Vac, 50Hz, 6.8A
Weight	1.8Kg