

Technical Data Sheet (TDS)

RUIISHUN Removable Insulation Sleeve

1. Product Description

RUIISHUN Removable Insulation Sleeve is a custom-made, reusable thermal insulation cover designed for pipes, valves, flanges, and irregular-shaped industrial equipment. It provides effective thermal insulation, energy saving, and personnel protection, while allowing easy removal for maintenance and inspection.

2. Typical Construction

Outer Cover: Fiberglass fabric / Silicone-coated fiberglass fabric / Aluminum foil laminated fiberglass

Insulation Core: Fiberglass insulation / Mineral wool / Ceramic fiber (custom selectable)

Inner Liner (Optional): Fiberglass fabric or heat-resistant liner

Closure System: Hook & loop (Velcro), stainless steel hooks, straps, or lacing

3. Technical Specifications

Product Type: Removable insulation sleeve / insulation jacket

Continuous Working Temperature: Up to 260°C – 550°C (depending on materials)

Short-Term Peak Temperature: Up to 600°C+

Insulation Thickness: 10 mm – 50 mm (customizable)

Thermal Conductivity: Low thermal conductivity

Reusability: Designed for repeated installation and removal

Moisture Resistance: Available with moisture- and oil-resistant outer covers

Installation Method: Tool-free installation

Color Options: Silver, gray, red, black (custom available)

4. Size & Customization

Custom diameters and lengths available.

Special shapes for valves, flanges, elbows, and pumps.

Drawings, samples, or measurements accepted.

OEM and private labeling supported.

5. Typical Applications

Steam pipelines

Hot oil systems

Valves and flanges

Chemical processing equipment

Power plants and refineries

Marine and offshore installations

HVAC systems

6. Key Advantages

Easy removal and reinstallation
Reduced heat loss and energy costs
Improved maintenance efficiency
Enhanced workplace safety
Long service life
Factory-direct customization

7. Storage & Handling

Store in a dry and ventilated area.
Avoid water exposure before installation.
Handle carefully to prevent mechanical damage.

8. Notes

All data listed are typical values and subject to change based on configuration. Custom specifications are available upon request.

Contact

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