

DAKEN Metallic Cladding Boxes

Product Overview

DAKEN Metallic Cladding Box is a high-performance rigid insulation enclosure specially designed for thermal insulation protection of industrial valves, flanges, strainers, pumps and other removable equipment.

Unlike traditional flexible insulation covers, the rigid box system combines a durable metal outer casing with high-performance insulation materials, providing excellent thermal performance, mechanical protection and long-term outdoor durability. This valve box provides a secure fit and easy access for maintenance. Its robust construction guarantees durability and resistance to corrosion, making it a reliable choice for harsh environments.

The modular design allows quick installation, removal and reuse during equipment inspection and maintenance.



Product Structure

Component	Material
Outer Shell	SS304 / SS316 / Aluminum / Galvanized Steel
Insulation Layer	Rock Wool / AES Fiber / Aerogel
Fastening System	Stainless Steel Buckle / Clamp / Screw
Sealing System	Weather Resistant Seal
Support Components	Stainless Steel Accessories

Key Features



Rigid Metal Protection

- Excellent mechanical protection
- Impact resistance
- Weather resistance
- Long service life
- Clean industrial appearance



Removable & Reusable Design

- Fast installation
- Easy removal
- Equipment inspection without damaging insulation
- Multiple reuse after maintenance



High Performance Thermal Insulation

The insulation layer can be customized according to operating conditions:

Insulation Material	Application
Rock Wool	General industrial insulation
Calcium Silicate	High temperature applications
AES Fiber	High temperature equipment
Aerogel	Space limited high efficiency insulation
Glass Wool	HVAC and low temperature systems

Applications



Valve Insulation Protection

- Gate valves
- Globe valves
- Ball valves
- Control valves
- Safety valves



Flange Insulation

- Pipe flanges
- Expansion joints
- Instrument connections



Industrial Equipment

- Pumps
- Filters
- Steam traps
- Heat exchangers