



# REMOVABLE THERMAL INSULATION



# PRODUCT CATALOG

CATALOG

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# INTRODUCTION

Removable thermal insulation covers are used to cover valves, flanges, instrumentation panels, and other components, as well as process piping. Unlike permanent hard insulation, soft insulation covers have the advantage of being removable and reusable, making them the insulation of choice for components that require insulation, but also need to be accessed from time to time for maintenance and inspection.

## REMOVABLE THERMAL INSULATION



**SAFETY**



**EFFICIENCY  
ENERGY**



**SIMPLE  
MAINTENANCE**



**REUSABLE**

## LAST BUT NOT LEAST

While removable thermal insulation covers are typically one of the last items to be installed before a facility goes into production, they are a critical component when it comes to site safety and system stability.



## BENEFITS OF REMOVABLE INSULATION COVERS

- Heat retention and freeze protection.
- Personnel protection against burns from hot components.
- Energy savings from reduced heat loss to surrounding environment.
- Sound attenuation.
- Insulation is easily removed and replaced to allow for maintenance and inspection.

Removable Insulation Blankets can also  
provide sound attenuation

# WHY PROPERLY DESIGNED INSULATION COVERS ARE IMPORTANT

Process line components such as valves and actuators can have somewhat complex geometries. These can include multiple penetrations for fittings, and electric, steam, and Glycol tracing. So it is important that the removable covers used to insulate them are properly designed so that the covers function as intended and the benefits of removable covers are realized. Process piping and equipment left without a properly designed thermal insulation cover can freeze and fail to properly operate.

Valves, flanges, and other components improperly covered can result in:

- Unnecessary process adjustment due to heat loss.
- False readings or alarms being sent to the control room.
- Equipment failures due to operation outside of normal temperature ranges.
- Degradation of product quality due to improper process temperatures.



# HOW TO ENSURE PROPERLY DESIGNED INSULATION COVERS FOR YOUR PROJECT



## PROPER MEASUREMENTS, DRAWINGS & PHOTOS:

Valves, Actuators, and Instrumentation Panels can all have somewhat complex geometries, often with heat tracing lines to keep critical systems above freezing. Accurate measurements are crucial to ensure that the insulation covers match any entry and exit points, and fit the equipment properly. Drawings and photos, if available, also help in the design process. If you don't have anyone on staff capable of taking proper measurements, consider hiring an insulation contractor. Some insulation blanket manufacturers employ field personnel who can come to site and measure.

**WORK WITH A COMPANY WITH  
EXPERIENCE IN BLANKET MANUFACTURING**

Choose a company with a stable track record. Price competitiveness is certainly important, but also look for an insulation cover manufacturer with a reputation for quality, on time delivery, and strong customer service. Can the company handle larger OEM runs? Do they work with CAD and 3D modeling? Can they meet delivery deadlines? How long have they been in operation? Make sure you choose a company who will be there with you over the long run.

**HOW TO ENSURE PROPERLY  
DESIGNED INSULATION COVERS  
FOR YOUR PROJECT**



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## REMOVABLE THERMAL INSULATION PRODUCT CATALOG



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