

REMOVABLE INSULATION COVERS

INSJACK® removable insulation covers are a remarkable solution for energy saving, temperature maintenance and of course personnel protection.

Using only the highest quality materials and dedicated craftspeople, INSPRO's removable insulation covers are optimum solutions for various thermal and acoustic insulation needs. The INSJACK® removable insulation covers can be made with various insulation fillers (fiberglass, superwool, aerogel, etc.) using a variety of enclosures and closure systems to meet the insulation requirements needed.

INSJACK® insulation jackets are used in a variety of applications where energy saving and temperature maintenance is a concern such as valves, turbines, piping, exhaust stacks, expansion joints, diesel turbo covers, product tanks, acoustic applications, insulating sleeves and heat exchangers.



ADVANTAGES

INSJACK® removable insulation covers reduce energy costs by maintaining process temperature as well as reducing ambient temperature in the facility, therefore cause to pay less for equipment operation and air conditioning. Workplace safety is increased by lower heat emissions and OSHA recommends heated surfaces must be lower than 120°F for employee safety.

Comparison Chart of Valve Insulation Systems

	NO Insulation	Removable Metal Box	Removable Jacket
Heat Loss	1160 W - 3958 Btu/hour*	55 W - 188 Btu/hour*	55 W - 188 Btu/hour*
Savings	NA	242 USD/year	242 USD/year
Installation	NA	Metal box and insulation materials	Easy installed
Resuable Long Life	NA	1 or 2 times at most Deformed after dismantling and re-installation	Several Times Jackets can be installed and removed repeatedly without any deformation for a long time
Environment	NA	Fiber content could be spilled during dismantling and re-installation	Jacket pieces are robust and nothing can be spilled during dismantling and re-installation

* 4" Gate Valve having fluid with 300°F - 150°C

Unlike most removable insulation blankets, INSJACK® covers fit the best because they are manufactured in the actual shape of the equipment, whether that is a single valve, flange, tank, turbine, exhaust, fan, pump or an entire piping system.

Installation of removable insulation covers is so easy as there is no need for any special equipment or tool. Any technical personnel can easily access equipment for maintenance and reinstall the insulation cover. INSJACK® covers allow to insulate important components without sacrificing employee efficiency or ease of access.



The first investment costs seem to be challenging but the payback time for using an INSJACK® removable insulation cover can be less than six months.

We custom engineer every removable insulation cover for each project, so INSJACK® products will fit any system perfectly. And INSPRO quality design and manufacture means that you achieve long product life with the highest level of insulation as well as energy efficiency.

The covers are thoroughly inspected to assure durable seams and complete insulation coverage. Such inspections include thermal imaging which is effectively a picture of thousands of surface temperature measurements, makes it easy to see where insulation is missing after failures such as thermal bridges or production defects.

NORMAL IMAGING & THERMAL IMAGING

