

VALVE JACKET



Izocam Valve Jacket is an insulation jacket specially manufactured for valves. It is manufactured from noncohesive white glass wool blanket or stone wool industrial blanket, with silicone on the outer side and faced with silicone-free glass tissue which is resistant to 500 °C on the inside. Izocam Valve Jackets are used for thermal insulation of all kinds of valves (piston valve, globe valve, butterfly valve, etc.) which are manufactured according to DIN, ANSI and API standards and strainers at indoor and outdoor spaces.

Application

A valve jacket is chosen according to the valve to be insulated or it is customly made. Valve jacket is wrapped around the valve and the hooks are tightly attached to each other by the help of the string. It is controlled if there is any vapour leak before the installation. If a leak is inspected, the installation takes place after the leak is fixed. Valve and flanges should be insulated totally and valve jacket should be mounted on the insulated pipe to which the valve is connected, minimum 50 mm beginning from the flanges.



Thermal camera view of the uninsulated valve



Thermal camera view of the insulated valve after Izocam Valve Jacket application

Valve Diameter	Thickness (mm)	Width x Length (m ²)
DN15	50	0,19
DN20	50	0,22
DN25	50	0,25
DN32	50	0,32
DN40	50	0,37
DN50	50	0,50
DN65	50	0,63
DN80	50	0,72
DN100	50	0,84
DN125	50	1,03
DN150	50	1,43
DN200	50	1,81
DN250	50	3,10



- High thermal insulation
- Fire safety
- Ease of application
- Flexibility
- Size variety
- Usability at outdoor spaces



TECHNICAL DATA SHEET

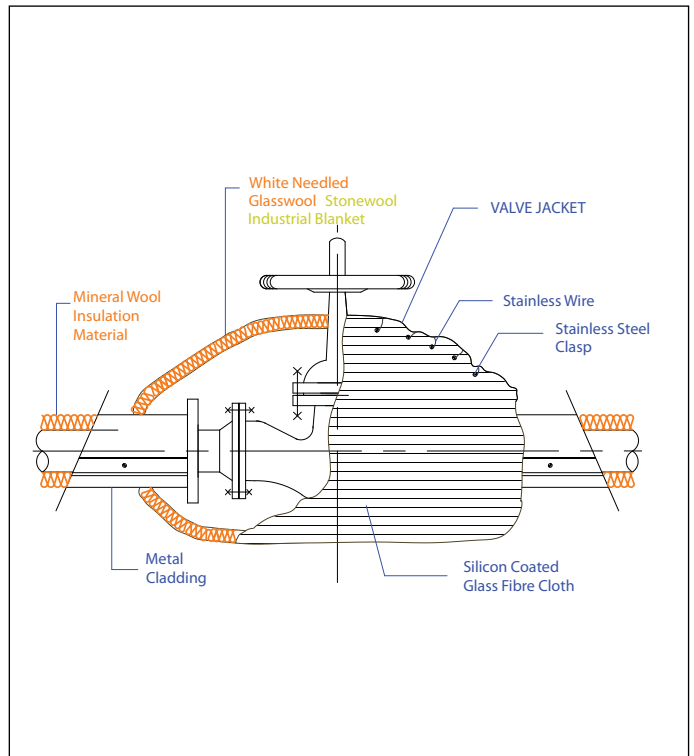
izocam Valve Jacket

Properties	Symbol	Unit	Description	Tolerance	Standard
Material	-	-	Needled Glass Wool Blanket / Stone Wool Blanket	-	-
Density	ρ	kg/m ³	60	-	-
Thickness	t	mm	50	-1, +5	EN 823
Facing	-	-	Unfaced	-	-
Reaction to fire	-	-	A1	-	DIN 4102
Declared Thermal Conductivity (10°C)	λ_D	W/m.K	0,031	-	ISO 8302
Declared Thermal Conductivity (100°C)	λ	W/m.K	0,043	-	ISO 8302
Declared Thermal Conductivity (200°C)	λ	W/m.K	0,061	-	ISO 8302
Declared Thermal Conductivity (300°C)	λ	W/m.K	0,085	-	ISO 8302
Declared Thermal Conductivity (400°C)	λ	W/m.K	0,116	-	ISO 8302
Declared Thermal Conductivity (500°C)	λ	W/m.K	0,155	-	ISO 8302
Max. Service Temperature (permanent)	-	°C	500	-	-
Specific Heat *	c	kJ/(kg.K)	0,84	-	-
Dynamic Elasticity *	Edyn	kN/m ²	0,8	-	-

* Literature value.

Safety Reminders for Loading, Unloading, Shipping and Storing

- Truck body must be dry and clean.
- Products should be put on top of each other with extra care.
- Products should not be stepped on and should not be used as steps.
- Products should not be unloaded by pushing, pouring or throwing from the truck.
- The ropes should be tied without causing any damage on the products.
- The floor should be flat and unslippery.
- The products should be wrapped by a waterproof cover even the shipping distance is short in order to prevent them from falling or getting wet.
- For the partial shipments, the load below should not pierce or cut the product above.



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