



SAVERY



savery.eu

SAVERY VALVE INSULATION JACKETS

DESCRIPTION

Savery's insulation jacket is an armature cover that helps to prevent heat losses around the valves while maintaining easy accessibility for the operation and maintenance. A valve jacket is a simple and smart solution for valves, float steam traps and strainers to increase thermal efficiency of the system and ensure safety. Savery's valve jackets have a physically robust design – despite of their soft and flexible structures, Savery's insulation jackets recover their thermal performance even after extremely high compression events with their excellent spring back features. High water resistance of the jackets offers a level of protection against damp.

APPLICATION AREAS

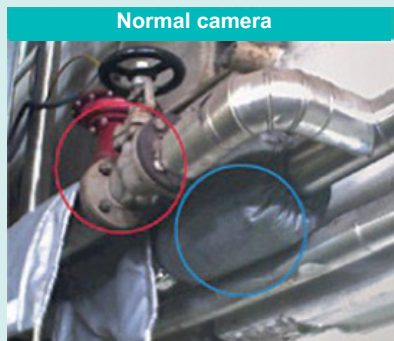
- Hot water and steam lines
- Refineries and gas processing plants
- Petro-chemical and chemical plants
- Power plants
- Military establishments
- Food and oil mills
- Textile industry
- Oil and gas processing industry
- Pharmaceutical plants, etc.

ADVANTAGES

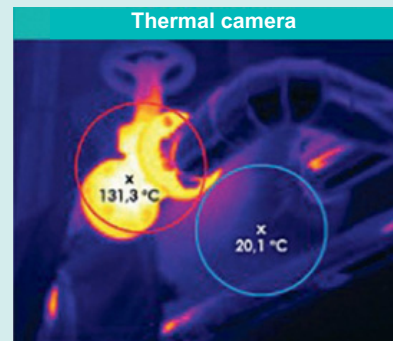
- Increasing thermal efficiency → reducing energy costs
- Ensuring safety → protection against injuries from hot surfaces and sharp edges
- Preventing frost on the armature
- Fire protection
- Reducing noise level

For an example, an uninsulated DN100 globe valve which is used in fluid system at 160 °C will cause approx. 1199 W energy loss hourly. With continuous processes the annual heat loss can be up to 10,5 MWh per one valve.

* Calculations are based on following assumptions: wind velocity 2 m/s, ambient temperature 25 °C, emissivity 0,95, annular operation time 8765 hours. Calculations are done for globe valve with flanges.



Normal camera



Thermal camera

TECHNICAL DATA



FABRIC

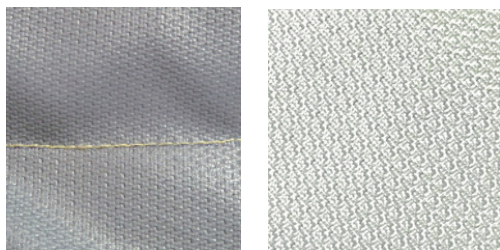
- Fabric type - Pyrogel XT
- Fabric thickness: 10 mm
- Max operating temperature for one fabric layer: +230 °C*
- Max operating temperature for multiple (6) fabric layers: +650 °C
- Thermal conductivity value - $k = 0.021 \text{ W/m}\cdot\text{K}^{**}$
- Resistance to heat flow - $R = 0,476 \text{ m}^2\text{K/W}$
- Color: Beige
- Density: 150 kg/m^3
- Resistant to water, steam and other leakages
- Resistant to pressure and impact
- With class A fire rating

*230 °C corresponds to 26,5 bar.g saturated steam pressure rate
** 3-5 times better k value than other similar insulation materials



ROPE

- Material: ceramic fabric
- Temperature Resistance: 1260 °C



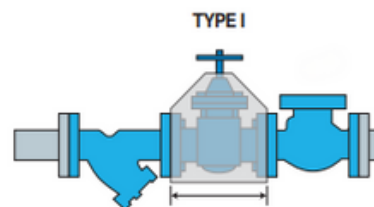
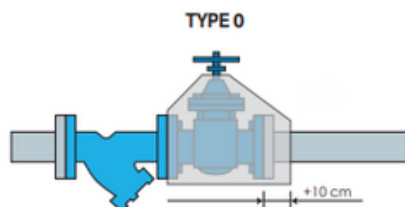
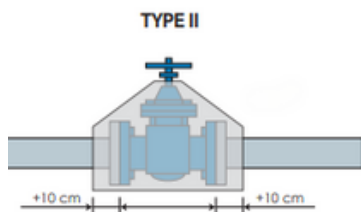
JACKET

- Jacket type:
Inner layer - fiberglass fabric, temperature resistance: 500 °C
Outer coat - cyclone fabric, temperature resistance: 200 °C
- Including hook-and-loop fasteners and metal wire hook

SELECTION CRITERIA

- Resistance to Different Operating Temperatures:** Protects physical and thermal properties.
- Physical Strength:** It should not lose its original properties during (vibration), storage, loadings, operation and application.
- Mechanical Strength:** It should not deteriorate in expansion and contraction.
- It must be easy to install.**
- Resistance to Flammability:** It must be considered and covered with appropriate coating techniques.
- Resistance to Corrosive Effects:** Water, steam etc. resistance to leaks or condensation.
- Insulation Thickness and Weight:** Investment cost should be observed.

APPLICATIONS



MODELS

INSULATION JACKETS FOR GLOBE VALVES			
SIZE	TYPE 2 PRODUCT CODE	TYPE 0 PRODUCT CODE	TYPE 1 PRODUCT CODE
DN15	JGV10015F2	JGV10015F0	JGV10015F1
DN20	JGV10020F2	JGV10020F0	JGV10020F1
DN25	JGV10025F2	JGV10025F0	JGV10025F1
DN32	JGV10032F2	JGV10032F0	JGV10032F1
DN40	JGV10040F2	JGV10040F0	JGV10040F1
DN50	JGV10050F2	JGV10050F0	JGV10050F1
DN65	JGV10065F2	JGV10065F0	JGV10065F1
DN80	JGV10080F2	JGV10080F0	JGV10080F1
DN100	JGV10100F2	JGV10100F0	JGV10100F1
DN125	JGV10125F2	JGV10125F0	JGV10125F1
DN150	JGV10150F2	JGV10150F0	JGV10150F1
IDN200	JGV10200F2	JGV10200F0	JGV10200F1
DN250	JGV10250F2	JGV10250F0	JGV10250F1
DN300	JGV10300F2	JGV10300F0	JGV10300F1

INSULATION JACKETS FOR STRAINERS			
SIZE	TYPE 2 PRODUCT CODE	TYPE 0 PRODUCT CODE	TYPE 1 PRODUCT CODE
DN15	JST10015F2	JST10015F0	JST10015F1
DN20	JST10020F2	JST10020F0	JST10020F1
DN25	JST10025F2	JST10025F0	JST10025F1
DN32	JST10032F2	JST10032F0	JST10032F1
DN40	JST10040F2	JST10040F0	JST10040F1
DN50	JST10050F2	JST10050F0	JST10050F1
DN65	JST10065F2	JST10065F0	JST10065F1
DN80	JST10080F2	JST10080F0	JST10080F1
DN100	JST10100F2	JST10100F0	JST10100F1
DN125	JST10125F2	JST10125F0	JST10125F1
DN150	JST10150F2	JST10150F0	JST10150F1
IDN200	JST10200F2	JST10200F0	JST10200F1
DN250	JST10250F2	JST10250F0	JST10250F1
DN300	JST10300F2	JST10300F0	JST10300F1

INSULATION JACKETS FOR STEAM TRAPS			
SIZE	TYPE 2 PRODUCT CODE	TYPE 0 PRODUCT CODE	TYPE 1 PRODUCT CODE
DN15	JFT10015F2	JFT10015F0	JFT10015F1
DN20	JFT10020F2	JFT10020F0	JFT10020F1
DN25	JFT10025F2	JFT10025F0	JFT10025F1
DN32	JFT10032F2	JFT10032F0	JFT10032F1
DN40	JFT10040F2	JFT10040F0	JFT10040F1
DN50	JFT10050F2	JFT10050F0	JFT10050F1



Savery representatives:

ESTONIA
Filter Solutions OÜ

Ph: +372 606 6666
filter@filter.ee

LATVIA
Filter SIA

Ph: +371 675 567 65
filter@filter.lv

LITHUANIA
Filter UAB

Ph: +370 37 400 370
filter@filter.lt

BULGARIA
Filter OOD

Ph: +359 2 974 50 85
Ph: +359 2 974 50 86
filter@filter.bg

POLAND Filter
SP. Z O. O.

Ph: + 48 51 362 86 28
poland@filter.eu