SAVERY

savery.eu

VALVE INSULATION JACKETS

Savery's insulation jackets are designed to minimize heat loss around valves while allowing easy access for 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.

Despite their soft and flexible design, these jackets are physically robust. Thanks to their excellent spring-back properties, they maintain thermal performance even after high compression. Their high water resistance also provides effective protection against moisture and damp environments.

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.

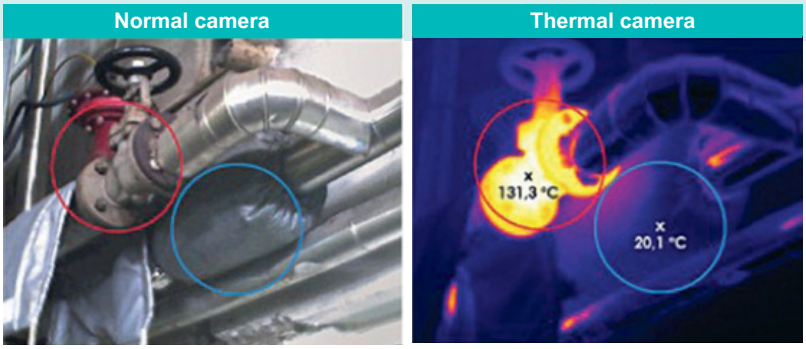
ADVANTAGES

- **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**

WHY INSULATION MATTERS

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.



Savery valve insulation jackets drastically reduce that loss, helping your plant **save energy and money**.

INSTALLATION

Depending on the armature, a suitable jacket type must be ordered.
An insulation jacket designed for globe valves may also fit other valve types with similar construction — such as 2-way control valves, ball valves, etc.
Separate jacket types are available for dirt strainers and float steam traps.

To ensure the insulation jacket fits your specific armature, please contact Savery representative.

- Installation sizes: **DN15 – DN300**
- Installation **without the need of additional tools**
- Jackets are **easily removable** with hook-and-loop fasteners and fastening ropes
- With higher operating temperatures **multiple layers** of insulation fabric **can be combined** to increase heat resistance

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 W/m·K**
- Resistance to heat flow - R = 0,476 m^2K/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

JACKET

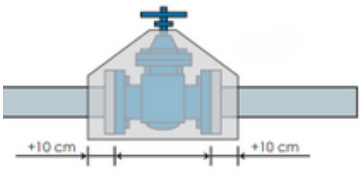
- Outer coat - cyclone fabric, temperature resistance: 200 °C
- Inner layer - fiberglass fabric, temperature resistance: 500 °C
- Including hook-and-loop fasteners and metal wire hook

ROPE

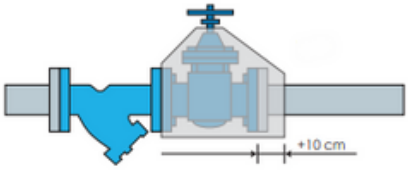
- Ceramic fabric
- Temperature resistance 1260 °C

MODELS AND PRODUCT CODES

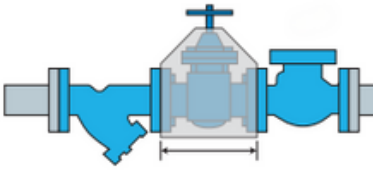
TYPE II



TYPE 0



TYPE I



INSULATION JACKETS:

FOR GLOBE VALVES			
	TYPE 2	TYPE 0	TYPE 1
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

FOR STRAINERS			
	TYPE 2	TYPE 0	TYPE 1
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

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

CONTACT US

savery.eu

SAVERY

ESTONIA
Filter Solutions OÜ
+372 606 6666
filter@filter.ee

LATVIA
Filter SIA
+371 675 567 65
filter@filter.lv

LITHUANIA
Filter UAB
+370 37 400 370
filter@filter.lt

BULGARIA
Filter OOD
+359 2 974 50 85
+359 2 974 50 86
office@filter.bg

POLAND
Filter SP. Z O. O.
+48 784 973 215
poland@filter.eu