

*Your partner
for safety!*

FROM EXPERTS.
OFF THE SHELF.

INSULATION TECHNOLOGY
SYSTEM PROTECTION





YOUR PARTNER FOR SAFETY!

As an owner-operated family business, JUTEC GmbH has stood for safety and quality for more than 30 years. Our customers benefit from this experience worldwide. We react flexibly and quickly to new challenges. Approximately 100 employees stand for expertise and know-how. Our new company headquarters just outside Oldenburg offers the most modern working conditions and production processes. The segments heat protection, work protection, insulation technology and laser protection are produced here in a 5,000 sqm production building. We safeguard these processes with a quality management system according to DIN EN ISO 9001:2015 as well as those for production as per Module D of the PPE Directive (EU) 2016/425 (formerly Article 11B of the Directive 89/686/EEC) and Module D of the Directive 2014/90/EU for maritime equipment. We're looking forward to your visit.



MADE IN  GERMANY.

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CUSTOMISED HEAT PROTECTION SOLUTIONS.

What protective functions do you require? Hot inside, cold outside? Or vice versa? Do you require professional, on-site consultation? Do you have a drawing of what the protection of your system or machine should look like? Which requirements must be met? JUTEC advises you professionally and supplies products with a precise fit.

The fastest and most reliable solution

The optimum heat protection solution is therefore provided in next to no time in collaboration with the customer - from the first consultation to prototyping and production.

This is possible due to:

- high-quality processing
- in-house manufacturing with CAD and CUTTECHNIK

CERTIFICATES.

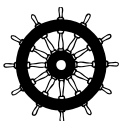
The renowned material testing institute MPA in Dresden subjected the JUTEC fabric to tests in compliance with DIN EN 13501-1 (fire behaviour of construction materials and components) in accordance with the new European Fire Protection Test that applies to all European countries.



COMPARISON OF DIN 4102 and EN 13501

FOR NON-COMBUSTIBLE OR FLAME-RETARDANT HEAT PROTECTION FABRICS

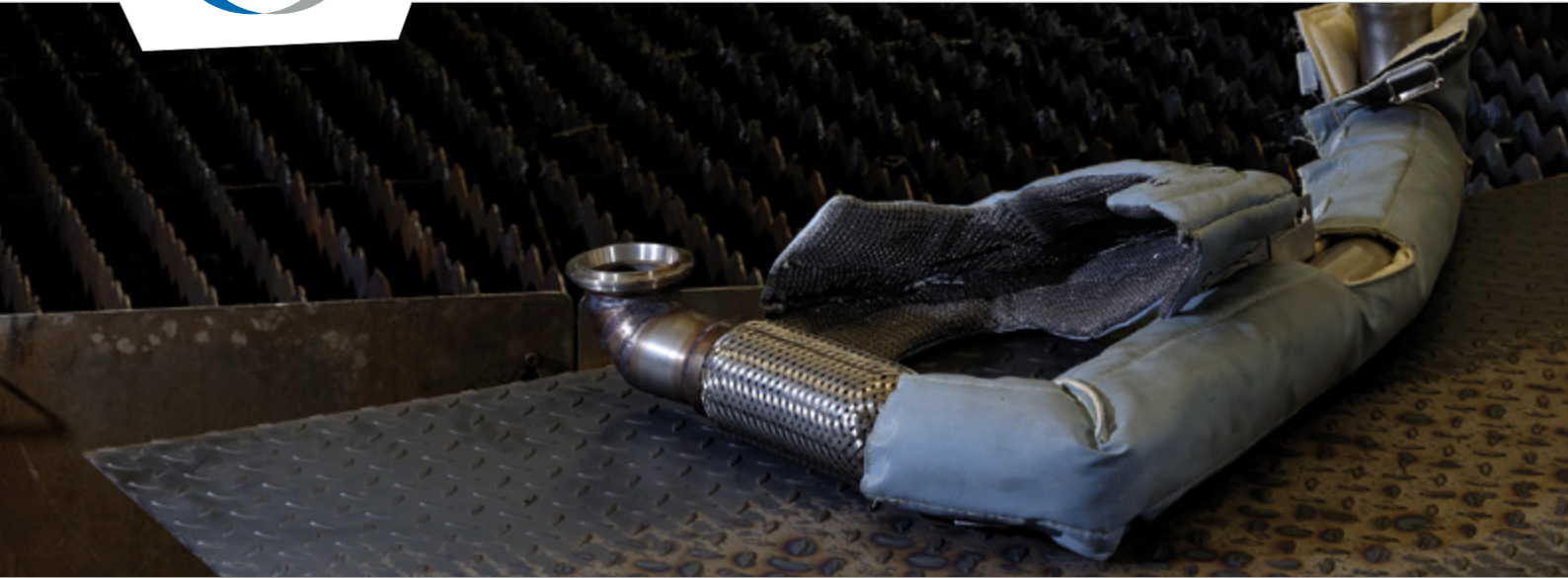
The fabric was also tested by the fire testing laboratory of TÜV-Nord and SEE-BG. In addition, our fabric is certified by the U.S. Coast Guard for global shipbuilding standards.



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ENERGY EFFICIENCY PAYS OFF.

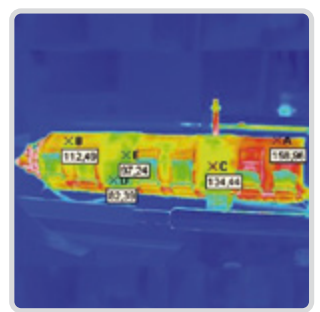
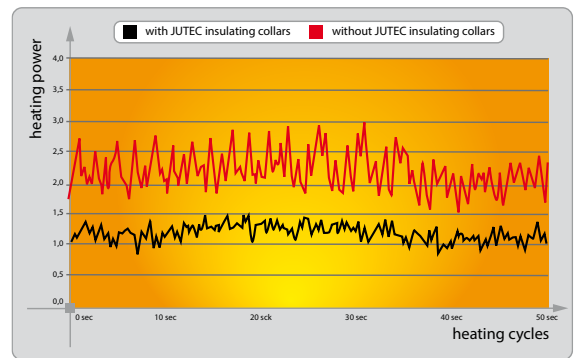
Perfected insulating technology ensures a considerable, lasting reduction in heat losses. This saves costs in the long term and protects resources, climate and the environment. With shorter heat-up times and the resulting increased productivity as well as the minimisation of downtimes due to improved operational reliability, insulating measures pay for themselves in an extremely short time.

This results in:

- Energy savings
- Longer system durability
- Fewer switching cycles

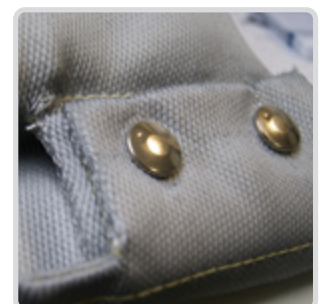
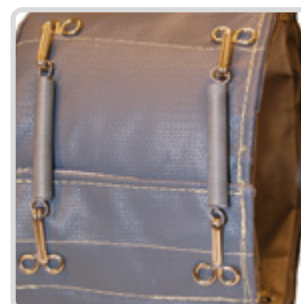
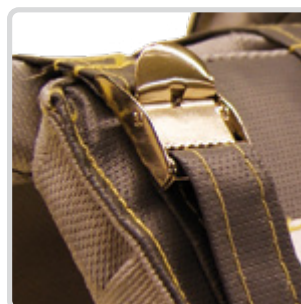
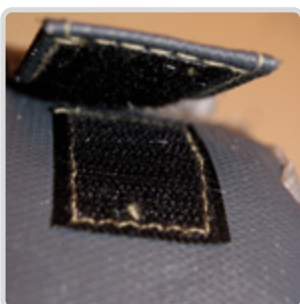
Cutting costs in a few steps

We make ordering simple with the import of all conventional CAD file formats and with the JUTEC measurement sheet. This means you get your solution faster and without any complications.



Locking systems:

Simple dismantling of intelligent locking systems ensures easy machine maintenance and servicing.





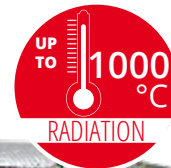
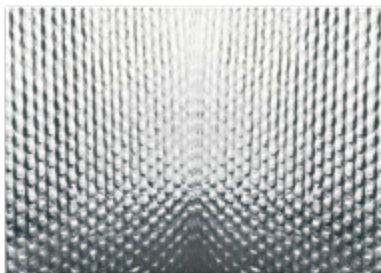
EXHAUST MANIFOLD INSULATION

- Multi-layer design
- Heat protection fabric with non-woven layer
- Velcro-type fastener, press studs or endless seam
- Contact heat from -60°C - 1300°C
- Vibration resistant
- Resistant against mechanical loads
- Moisture resistant



PIPE INSULATION

- Aluminised fabric
- Either glass fabric or aramid fabric (abrasion resistant)
- Velcro-type fastener, press studs or endless seam
- For 1000°C radiation heat
- Available with optional insulation



EXHAUST PIPE INSULATION

- From glass fabric belts to silicate fabric belts
- Contact heat from 550°C - 1300°C





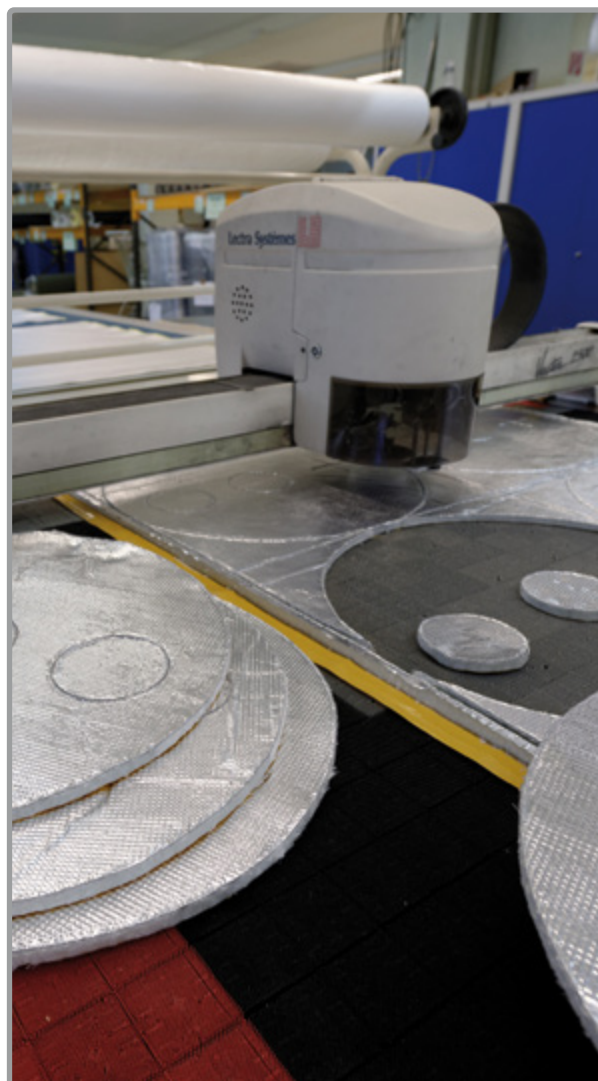
NON-WOVENS.

JUTEC supplies glass non-wovens for the temperature ranges of 550°C - 1200°C. Silicate non-wovens with a temperature resistance of up to 1200°C are increasingly replacing ceramics. The processed fibres have a filament diameter of more than 6 µm. Current work medicine standards state that fibres far outside the critical range of 3 µm do not constitute a health hazard. The fibres are needled and/or quilted. A large storage capacity and therefore a favourable thermal conductivity value are achieved as a result. The non-wovens are easy to punch and cut, flexible, soft and easy to handle.

All JUTEC mats can be provided with self-adhesive or aluminium lamination (with/without embossing of 30 – 100 µm).

APPLICATIONS:

- Catalytic converter and exhaust pipe insulation
- Heat insulation on aluminium, steel and other industrial furnaces
- Insulating mats for induction welding.



Glass non-wovens up to 550°C	Width: Up to 1200 mm	Thickness: 4 - 25 mm
Calcium silicate non-wovens up to 1150°C	Width: Up to 1200 mm	Thickness: 13 - 25 mm
Silicate non-wovens up to 1200°C	Width: Up to 1200 mm	Thickness: 4 - 25 mm

PACKING MATERIALS, BELTS, CORDS AND HOSES.

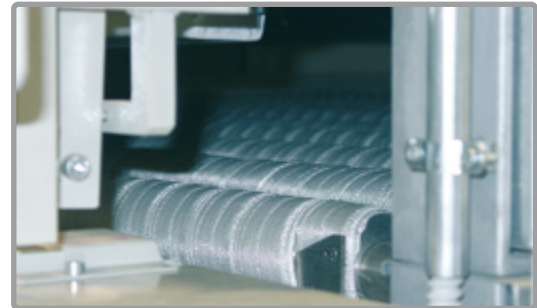
INSULATING PRODUCTS MADE OF E-GLASS FILAMENTS

• belts	Width: 20 - 100 mm	Thickness: 2 - 5 mm
• cords	twisted	Ø 3 - 30 mm
	woven	Ø 3 - 30 mm
• hoses	Ø 10 - 50 mm	Thickness: 2 - 5 mm
• packing	square	5 x 5 to 50 x 50 mm
	round	Ø 6 - 40 mm



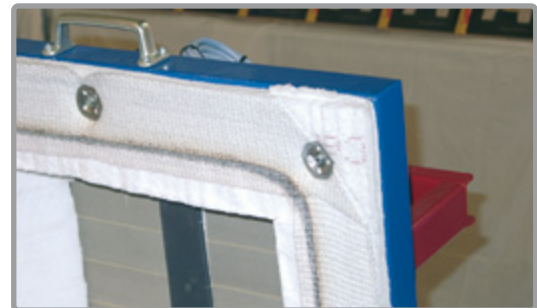
INSULATING PRODUCTS MADE OF CALCIUM SILICATE FIBRES.

• belts	Width: 20 - 100 mm	Thickness: 2 - 5 mm
• cords	twisted	Ø 3 - 30 mm
	woven	Ø 3 - 30 mm
• hoses	Ø 10 - 50 mm	Thickness: 2 - 6 mm
• packing	square	5 x 5 to 30 x 30 mm
	round	Ø 6 - 40 mm



INSULATING PRODUCTS MADE OF SILICON DIOXIDE FIBRES.

• belts	Width: 20 - 100 mm	Thickness: 2 - 5 mm
• cords	twisted	Ø 3 - 30 mm
	woven	Ø 3 - 30 mm
• hoses	Ø 10 - 50 mm	Thickness: 2 - 6 mm
• packing	square	5 x 5 to 50 x 50 mm
	round	Ø 6 - 40 mm



INSULATING BOARDS.

The JUTEC insulating boards are produced on the basis of mineral fibres for temperatures of 850°C and 1100°C. The boards can be punched, drilled, cut and bonded.

Art. No. [850°C]	Art. No. [1100°C]	Thickness [mm]	Minimum order quantity =1 box of
IP085002-B	IP110002-B	2	50 pcs. of 1000 x 1000 mm = 50 m ²
IP085003-B	IP110003-B	3	32 pcs. à 1000 x 1000 mm = 32 m ²
IP085004-B	IP110004-B	4	25 pcs. à 1000 x 1000 mm = 25 m ²
IP085005-B	IP110005-B	5	20 pcs. à 1000 x 1000 mm = 20 m ²
IP085006-B	IP110006-B	6	16 pcs. à 1000 x 1000 mm = 16 m ²
IP085008-B	IP110008-B	8	13 pcs. à 1000 x 1000 mm = 13 m ²
IP085010-B	IP110010-B	10	10 pcs. à 1000 x 1000 mm = 10 m ²



ADHESIVE.

The JUTEC-1000 The JUTEC-1000 adhesive was developed especially for high temperatures. Water glass components serve as a basis for the adhesive. The adhesive hardens when it comes in contact with the air and is odourless, non-flammable and ideal for bonding insulating materials such as woven fabric, boards, mats and insulating materials.

Art.-No.	Container [kg]	Heat protection [°C]	Note
KL1000	1	1000	JUTEC-1000 adhesive
KL1500	15	1000	JUTEC-1000 adhesive





• WELDING GUN HAND SHIELD
(SPH001KAN)



FULL EQUIPMENT PROTECTION

Equipment is protected from damage against welding beads and flying sparks. The transparent slat ensures access to displays and controls. An optional protection hose for the hose packages can be fitted. The protection hoses are made of heat-resistant e-glass woven fabric. A welding gun hand shield rounds off the range. Working with simple WIG leather gloves is possible, also without the risk of burns. The construction is attached directly to the burner head. The material is made of abrasion-proof, aluminised aramid woven fabric.

APPLICATION:

- Ideal for leased equipment, demonstration and testing systems.
- From MIG/MAG, WIG to plasma cutting systems.



Art.-No.	Material		Note
SH-Gerätetyp-G1	JT650G1 + PVC-windows		Welding device sleeve
Art.-Nr.	Material	ø [mm]	Note
ISL030AL	JT660AL	30	Protective hose
ISL040AL	JT660AL	40	Protective hose
ISL050AL	JT660AL	50	Protective hose
ISL060AL	JT660AL	60	Protective hose
ISL070AL	JT660AL	70	Protective hose
ISL080AL	JT660AL	80	Protective hose
Art.-No.	Material	Dimensions	Note
SPH001KAN	JT660KAN	Standard	Welding gun hand shield



Glare shield for welding heads



Welding tongs sleeve



Protective hose with and without Velcro-type fastener



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Im Haus
Hausarbeit
Hausarbeit

WELDING CURTAINS.

JUTEC curtains are produced in all widths and lengths, also as vertical blinds with and without transparent viewing slats. The curtains are hung and extended by means of hooks, eyes, loops, rings and press studs.

WELDING CURTAINS WITH VIEWING WINDOW

- With vertical blind window (500 mm)
- With eyes on one side (Eyelets and rings are charged extra)

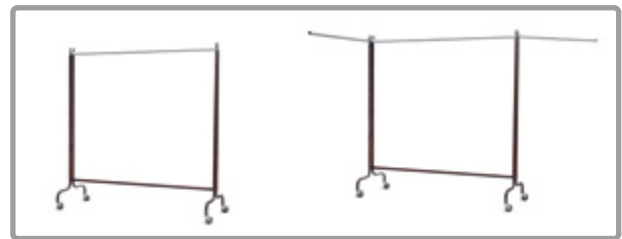
Art. no.	Dimensions [mm]	Heat protection [°C]	Note
SV1015A [ÖR1]	1000 x 1500	200	A = Cotton canvas (olive) + PVC
SV1015B [ÖR1]	1000 x 1500	600	B = JT650G1 + PVC
SV1015C [ÖR1]	1000 x 1500	850	C = JT600HT + PVC
SV1015D [ÖR1]	1000 x 1500	1150	D = JT900HT + PVC
SV0915E [ÖR1]	900 x 1500	1300	E = JT1200HT + PVC

Delivery WITHOUT frame!



MOBILE FRAME FOR PROTECTION CURTAINS

Art. no.	Dimensions [mm]	Heat protection [°C]	Note
TW-Z-TW-2000	1950 x 2070	Stahl	Frame (single section)
TW-Z-TW-4000	4050 x 2070	Stahl	Frame with two hinged arms (3-section)



WOVEN FABRIC CURTAINS

- With eyes on one side (Eyelets and rings are charged extra)

Art. no.	Dimensions [mm]	Heat protection [°C]	Note
SV1010BW [ÖR1]	1000 x 1000	200	Cotton canvas, approx. 420 g/m ²
SV1010G1 [ÖR1]	1000 x 1000	600	JT650G1, ca. 650 g/m ²
SV1010CS [ÖR1]	1000 x 1000	850	JT650G1, ca. 650 g/m ²
SV1010WS [ÖR1]	1000 x 1000	1150	JT900HT, ca. 1000 g/m ²
SV0910SI [ÖR1]	900 x 1000	1300	JT1200HT, ca. 1250 g/m ²



WOVEN FABRIC CURTAINS FOR RADIANT HEAT PROTECTION

- With eyes on one side (Eyelets and rings are charged extra)

Art. no.	Dimensions [mm]	Heat protection [°C]	Note
SV1010KA-3 [ÖR1]	1000 x 1000	1000	Aramid woven fabric with aluminium coating on one side
SV1010KA-4 [ÖR1]	1000 x 1000	1000	E-glass woven fabric with aluminium coating on one side

Additional qualities and dimensions available upon request!

FIXTURES

Art. no.	Ø [mm]	Material	Note
SVÖ00017	16	Brass	eye
SVR00040	40	Steel	ring

Eyes and rings available on several sides upon request!





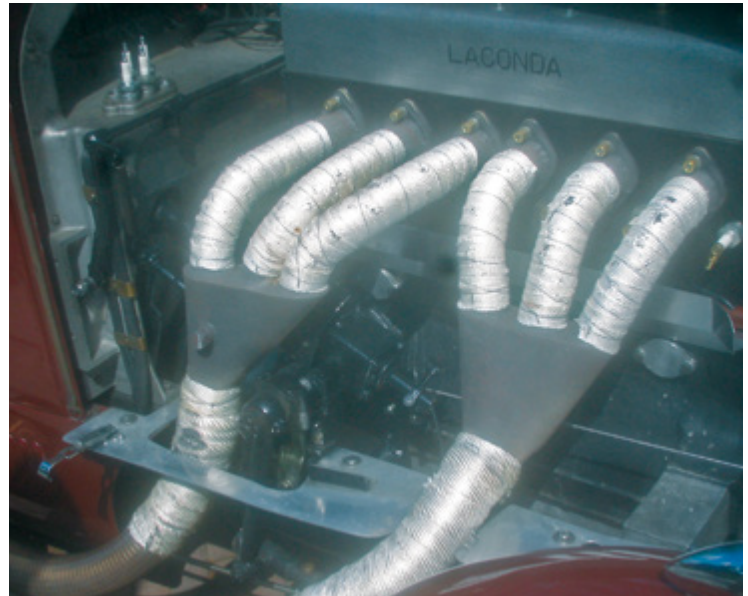
Diesel engine jacking in ships



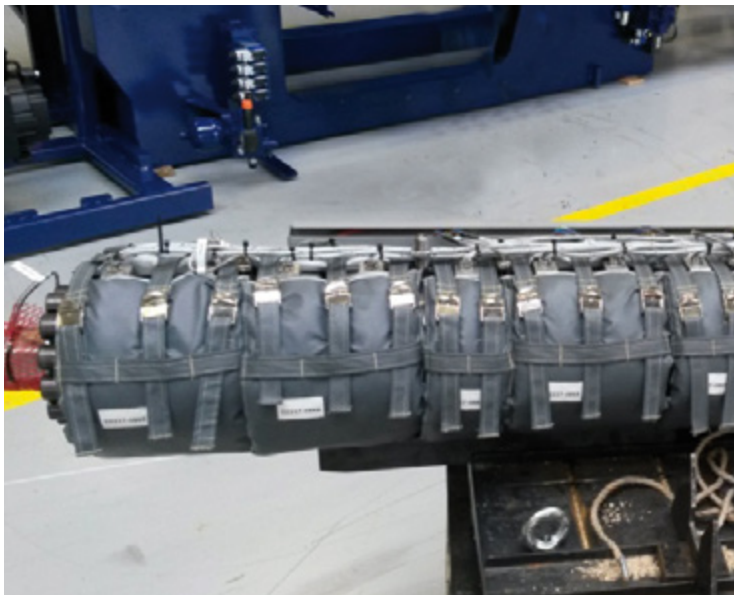
Exhaust gas insulation



Equipment jacking in shipyards during welding work



Exhaust manifold insulation



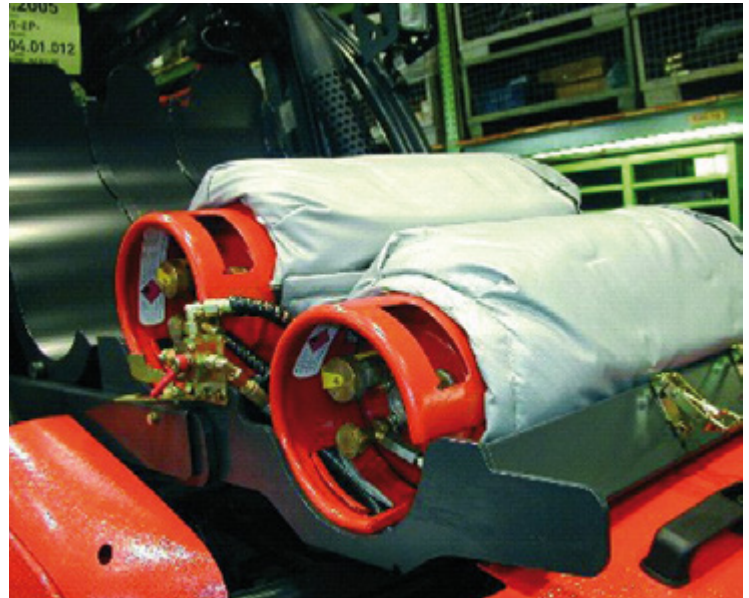
Jacking for heating screws (before final assembly)



Glare protection for cutting heads of plasma systems



Small ship diesel engine with insulation for different temperature ranges



Gas tank insulation on a forklift truck



Protection hoses for hydraulic lines



Insulation of a particulate filter



Exhaust gas insulation for racing engines

