

WHEN THE HEAT IS ON

PROVENTIA THERMAL COMPONENTS. *With agile engineering and flexible production volumes, we provide high-quality insulation solutions for anyone to whom temperature matters.*





What is your industry?

CHALLENGE US.



AGRICULTURE & FORESTRY



CONSTRUCTION



MATERIAL HANDLING



MINING



MARINE



RAILROAD



BATTERIES



SOMETHING ELSE?

Tell us your requirements – we'll find the solutions.

Proventia Thermal Components

High-performance and innovative insulation technology for demanding engine applications. Winning solutions for small quantities too.

Everything started with the insulation solutions we developed for our own products. Customers started asking if we could provide the same innovation and quality for their products. And we could – for both industry-leading OE and niche manufacturers.

We developed our insulation solution for our exhaust systems, where the best possible insulation is the most essential factor in meeting today's

high emission reduction targets. The same concept applies to any components requiring high insulation efficiency combined with a light weight and easy shaping.

Thermal management is at the very heart of what we do. We know the world of engines inside out. We don't offer what happens to be on the shelf – our success is based on flexibility and listening to the customer.

Insulation increases people's safety

As an innovative technology supplier for the engine, machine and vehicle industries, we help our customers develop energy-efficient products that are friendly to the environment and people's health.

Our mission: zero emission. Insulation is an important and essential part in achieving this. High-quality insulation is even more important – it increases people's safety.

Energy-efficient machines and vehicles demand efficient insulation to protect temperature-sensitive components in confined engine compartments. Insulation reduces thermal radiation and enables the most effective use of the cramped engine compartments in today's technologically complex machines. This reduces both the risk of fire and the service downtime.



OUR OFFERING

Proventia Thermal Components are made in our own manufacturing facilities.

We have our own product engineering and design team for both insulation parts and tooling. Our automated processes and tailored tooling guarantee rapid production.

Are we interested in a series of 100-200 products? Absolutely. We provide cost-effective, flexible production, from limited runs of a few hundred parts, up to large scale production of thousands of thermal components.

We take responsibility for our design and always have it approved by the customer. Simple modular insulation coverings can be made without tooling, but shaped heat shields are made with special tooling. With or without tooling, it's always done in the most cost-effective way. Our products are also visually top class – eye-catching and highly suited to valuable equipment and machines: we know OEM requirements and industry standards.

Modular insulation coverings



- For applications where 3D-shaped insulation is not optimal
- Tooling-free, cost-effective in small quantities
- Easy to remove and reinstall with fastening elements

Shaped heat shields



- Heat shields tailored and shaped to any complex 3D forms
- Special tooling needed
- Suitable for larger quantities

Fully integrated insulation solution

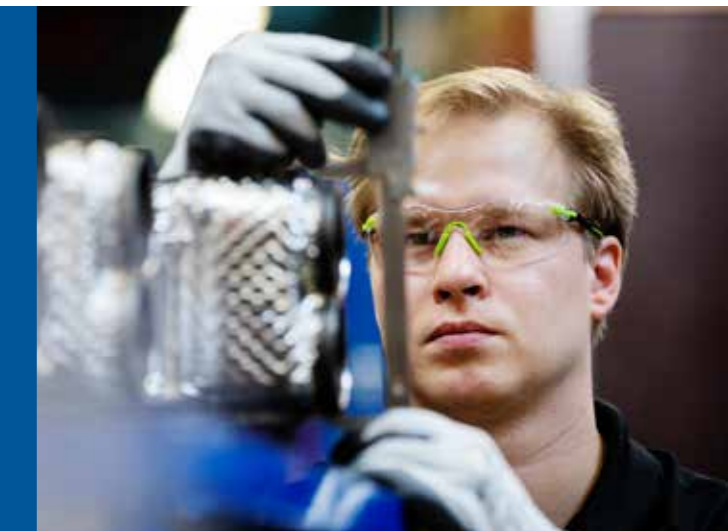


- Complete insulation service, from design and manufacturing to assembly work
- Ready-made systems delivered to customer's assembly line



TECHNICAL SPECIFICATIONS

- Corrugated stainless steel (0.15 mm)
- Case-specific insulation material (3-25 mm)
- Maximum operating limit 1,100 °C



THIS IS HOW WE OPERATE

Why take your product to many places when one is enough.

For us, flexibility means that customers decide what they want. We offer full service from engineering to deliveries to our customer's assembly line, and everything in between.

We can take care of the whole insulation process for the customer and even more – when assembling the insulation, we can also install other third-party components. This makes customers' processes quicker and easier in their factories.

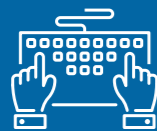
An asset our customers value highly is fast productisation from prototypes to serial products. They also value agile engineering and flexibility in production volumes.



Why Proventia thermal components?

- Agile engineering
- Flexibility in production volumes
- OEM-standard insulation for small and large quantities
- Fast process from prototypes to serial products

We can take care of everything for the customer



ENGINEERING

Engineering and design of insulation components
Engineering of tooling



PROTOTYPING

Rapid prototyping and prototype tools for customer requirements



MANUFACTURING

Cost-effective flexible manufacturing
Large & small series

- Modular insulation coverings
- Shaped heat shields
- Fully integral insulation solutions





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