Optimal temperature control in the exhaust line is essential to meeting high emission reduction targets. Strict exhaust emission requirements call for the best possible insulation solutions for temperature- and performance-critical exhaust components and pipelines.

Proventa thermal components fulfil these demands with high insulation efficiency, as well as providing design freedom and cost-effectiveness combined into one power package.

Provenetia Thermal Components are comprised of thin stainless steel outer shells with layered heat insulation material. The components are easy to shape into any complex form with cost-effective tooling; even logos and text can be embossed on the surface of the components. The thermal components feature rapid, easy installation with a folded seam, with no special tooling required. The low manufacturing start-up costs enable quick and flexible serial production.

Provenetia thermal insulation can be used for connecting pipes, heat shields, exhaust pipes and exhaust after-treatment devices, for instance. However, Proveintia thermal insulation is not limited to just exhaust components; the same insulation concept is suitable for any components where high insulation efficiency combined with low weight and easy shaping is required, for instance in engine room heat and sound insulations.
Thermal Components

Proventia thermal components can be shaped into complex three-dimensional forms wherever high insulation efficiency is needed.

Specifications & Benefits

- Light and durable
- High insulation efficiency
  - Reduced heat transfer to engine compartment
  - Low surface temperature
  - Significant noise reduction
- Enables modern design possibilities with unlimited shapes and embossing variants
  - Easy to shape into complex forms
  - Suitable for tight spaces
- Contributes to optimal operation of exhaust aftertreatment system
- Quick and easy installation with folded seams
- Cost-effective
  - Low manufacturing start-up costs
  - Suitable for serial production

Rapid, easy installation with a folded seam.

Proventia Thermal Components production line

Through its sister company JOT Automation, Proventia has a long history and a great deal of experience in developing efficient manufacturing solutions. We have used this expertise to develop the automated Proventia Thermal Components production line. The Proventia PTC production line guarantees cost-effective, rapid, flexible and precise production of both small and large series of thermal components – also at your factory.

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