



INDUSTRIAL THERMAL MANAGEMENT

Temperature under Control.

Creative thermal solutions are our core competency. We develop and deliver thermal management solutions – standard and custom-designed. Our comprehensive spectrum of products ranges from compact-size heating elements to complete heating and cooling systems.

PTC TECHNOLOGY

WIREWOUND TECHNOLOGY

PELTIER TECHNOLOGY

WE MAKE IT POSSIBLE

Technologies:	PTC, Conventional resistance wire, Open coil wire, Peltier thermoelectric cooling, Foil heating technology
Input voltage range:	10 - 850V
Power ratings:	0,5W - 30kW
Approvals:	VDE, UL, CSA
Certifications:	ISO 9001, ISO/TS 16949

OUR OFFERINGS AT A GLANCE

- Broad range of standard products
- Custom solutions ranging from modified standard to individual new product developments
- Close cooperation with the customers
- High flexibility and functional diversity
- System solutions with integrated electronics
- Project management in compliance with TS standards

Innovation born out of tradition.

Industrial Thermal Management stands for over 60 years of experience and technical expertise in developing and delivering thermal management solutions. Our highly versatile products and systems provide solutions to customers in practically all industries. With our commitment to excellence we guarantee the highest quality for our products.

Intelligent thermal management.

Using various technologies, we develop and manufacture powerful electrical heating and cooling systems. Whether for standard or custom-designed solutions - we are your partner! Professional service from design concept, prototyping and validation through to serial production.

A strong group.

Industrial Thermal Management is one of seven business divisions of the international DBK Group. With manufacturing facilities and sales offices across the world, ITM is well positioned to serve its global customers. Technical expertise, creativity, continuous innovation and high flexibility have made DBK one of the technology leaders in the market for thermal management products.





Condensate Evaporators



Cirrus Series

Heating, Humidity Control, Regulation.

Extreme temperatures, humidity and dust affect the proper functioning of the electronic components inside electrical panels and enclosures. DBK has the full range of products for an optimally tailored thermal management: from heaters, filter fans, and condensate evaporators to thermostats and hygrometers.

Too Cold?

DBK's reliable fan heater units (Cirrus) and natural convection heaters (Nimbus) will protect the electronic components in outdoor applications from frost and condensation. The self-limiting PTC temperature characteristic guarantees maximum safety in operation. In case of need, our electronic temperature controllers allow fine-tuning of the thermal management system inside the enclosure.



Nimbus NG

Too hot?

If, in the contrary case, natural convection is not sufficient to prevent overheating of the electronic components inside your enclosure, DBK's thermoelectric coolers and filter fans are the right choice.

Harmful Condensation?

DBK's electric condensate evaporators automatically collect and evaporate the condensate. Safe, comfortable and energy-saving.



Thermoelectric Cooler

TYPICAL APPLICATIONS

- Automated teller machines (ATM)
- Ticket vending machines / parking ticket terminals
- Display heating / panel heating
- Traffic monitoring systems
- Access control systems
- Fuel gas dispensers / electric car charging points
- Heating of operator cabs
- Telecommunication
- Renewable energies
- Food transportation trolleys
- and many more...

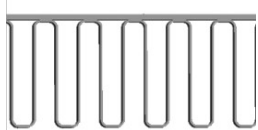


Dualstat

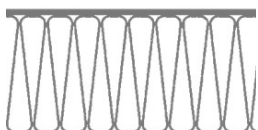
FIN SHAPES



Delta fins



U-shape fins



V-shape fins

Custom-designed Finned Resistor Heaters



PTC Finned Resistor Heaters



High-Efficiency Air Heating.
Whether used to pre-heat cold intake air or to warm up the air of a room, the DBK finned resistor heaters are the solution. In most applications, the highly reliable, inherently safe PTC heaters with self-limiting temperature characteristic don't even need any additional electronic control devices.

Outstanding Performer.
Application calling for a high heat output? DBK's open coil air heaters are the answer. Our open coil heaters guarantee an optimum heat transfer. The proven technology has been successfully employed for many years in the white goods industries.



TYPICAL APPLICATIONS

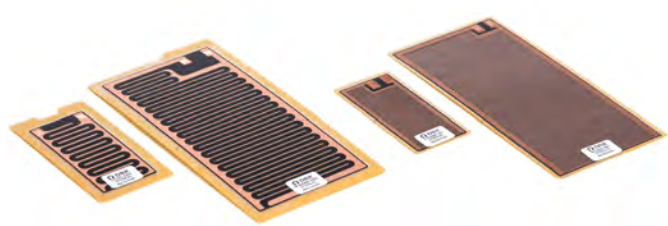
- Heating of operator cabs
- Drying equipment
- Heat exchangers
- Ventilation systems
- Heat recovery systems
- Residential ventilation systems
- Cleaning units
- Aircraft cockpit heating
- Air dryers
- Enclosures and cabinets
- and many more...

Mica Heaters



Tubular Heaters

PTC Flex Heaters



TYPICAL APPLICATIONS

- Machinery and tools
- Valve heating
- Steam generators
- Hydraulic systems
- Laboratory and medical appliances
- Container heating
- Coffee machines
- Steam cookers
- Baking ovens
- Wind power plants
- and many more...

High diversity – from Small to Large.

DBK's offerings include a broad repertoire of thermal products for the most diversified fields of application in nearly all industries. The customer can choose from among a large variety of designs, sizes and performance ratings to find the right solution for his application. Whether to protect control valves from frost, to pre-heat tools or to heat a complete processing line – DBK has the solutions!

Power on demand!

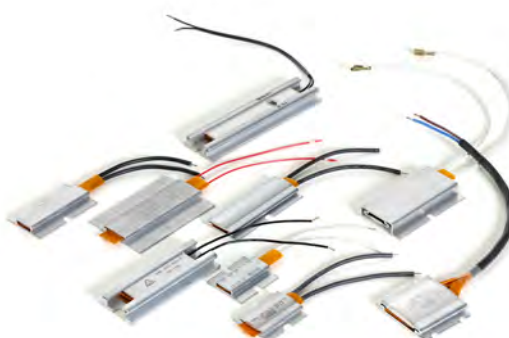
Simple with DBK's powerful resistance heaters: tubular heaters transferring heat through direct contact, convection or radiation. Tubular heaters can come as single or multiple units, as the heater module inside our electronically controlled water heaters. The Mica heaters also come in a great variety of shapes – flat, round, wraparound or square – and are thus the perfect choice for many heating applications.

Confined Space or Temperature Limitations?

No problem for us. Our ultra-flat foil heaters with PTC or wire-wound resistor make it possible.

Optimum Contact.

Surface and cartridge heaters can be tightly fit to the object to be heated, thus ensuring an optimum heat transfer.



PTC Conductive Heating Elements



Ceramic Cartridge Heaters

YOUR IDEAS ARE OUR CHALLENGE.

What makes us strong is the close cooperation with our customers in a solution-oriented partnership. For a quick and focused response to your demand, we have created a questionnaire that will help you define and specify your application requirements. Please provide as much information as possible.

DBK - YOUR PARTNER!

Profit from our long-standing experience in the field of Thermal Management. We will be pleased to support you with your project – from concept stage to serial production.



DBK Benefits

 Standard Products	 Custom-designed Solutions
 Project Management	 System Solutions
 Close Cooperation	 High Flexibility

A man in a dark suit stands on a jagged, dark rock formation. He is holding a dark umbrella over his head and a briefcase in his left hand. The background is a dramatic, high-contrast scene of a blizzard or heavy snowfall, with bright light breaking through the clouds behind him. The overall mood is one of resilience and preparedness in harsh conditions.

Well prepared for all
temperatures!

Ω DBK

Industrial Thermal Management

- Germany
- Austria
- Sweden
- United Kingdom
- Czech Republic
- USA
- China & Hong Kong

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