WE CONTROL TEMPERATURE
KELVIPLAST
Kelviplast is an expert in heating, cooling and temperature control. As a medium-sized family-owned enterprise we have built up a reputation for providing high-quality individual solutions in the field of temperature control and refrigeration technology. We develop, design and produce devices and equipment adapted to specific processes and media in virtually all industrial sectors. Our systems reliably perform their tasks around the world e.g. in plastic and rubber processing, coating technology, metal treatment or solutions for the chemical industry.

Since 1973 our claim is to deliver products of the highest technical quality.

To achieve this, we pursue ambitious goals: We want to offer our customers economical and technically perfect solutions. Main focus are the technical requirements of customer-specific processes since the thermal processes should finally work according to your plan.

Worldwide, our 80 employees work together in a perfectly coordinated and precise way to optimally meet your needs from consulting to commissioning and beyond.
Our product range includes the entire spectrum of temperature control and refrigeration systems customized to meet your needs.

Products
Made in Germany

Temperature control units, circulation medium water, including heating and cooling
Chilling units with compression circuits
Re-cooling systems
Deep-freezing units with liquid refrigerant
Temperature control units, circulation medium oil, including heating and cooling
Central water supply with buffer tank and filter system
Chilling towers with pumping station and water treatment
Design in metal housing, steel frame or container construction
Ultrapure water cooling systems
Combination plants consisting of units from the entire product range
Integrated systems including installation and service
Heat recovery
Energy-saving systems
Consulting
Systems for the highest demands
Industries we produce for

**Rubber processing**
- Mixing machines
- Extrusion plants
- Calendering machines
- Tread-machines
- Cooling sections
- Profiling machines
- Industrial rubber goods

**Plastics processing**
- Roller temperature control for thermoforming sheet lines
- Chill roll systems
- Stretch forming systems
- Stretch conditioning
- Nonwoven lines
- Pelletizing equipment
- Injection moulding

**Chemical/Pharmaceutical industry**
- Temperature control of double-wall tanks (also for petrochemical industry)
- Decarbonization
- Galvanic baths
- Paddle dryers
- Systems for toxic element reduction by condensation
- Cold traps

**Coating**
- Temperature control for the following processes:
  - (Vacuum) film coating
  - Paper coating
  - Coating of architecture glass and solar modules
  - Metal coating

**Metal processing and treatment**
- Melting furnaces
- Induction furnace
- Heat treatment
- Aluminum die casting

**Further industries**
- Applications in power plants
- Inverter cooling
- Wind power
- Shipbuilding
- Gas compressors
- Server cabinet cooling
- Food industry
- Pilot plants
Our systems and equipment customized, durable, Made in Germany.
Our systems and equipment
Heating, cooling, temperature control

Selection from our product range

Multi-circuit system providing a multi-zone supply for extruder cooling
- single devices
- standard design

Compact unit for various temperature control applications

Temperature control unit for plasma torch cooling
- fluid carrying parts are made of stainless steel
- high-pressure pumps
- customer-specific

Temperature control unit for calendering machines
- steam-heated
- energy-saving system
- PLC controller
- customer-specific

Temperature control unit for plasma furnace cooling
- pumping capacity: 4 x 270 m³/h
- cooling capacity: 7,350 kW
- tanks made of stainless steel
- customer-specific

Process water system for underwater pelletizing system
- fluid carrying parts are made of stainless steel
- provided with redundant bag filters
- customer-specific

Compact unit for various temperature control applications
Our systems and equipment
Heating, cooling, temperature control

Multi-circuit system for roller temperature control
- PLC controller
- customer-specific

High-pressure water cooling system for high-pressure melting furnace
- high and low pressure cooling system
  Low pressure: open system
  High-pressure: System pressurized up to 40 bar operating pressure
- customer-specific

Temperature control unit for vacuum coating systems
- special design for demineralized water
- VA/bronze model
- customer-specific

Multizone temperature control unit for mixers
- energy saving equipment
- energy measurement
- PLC controller

Multizone temperature control unit with a common switch cabinet for a tire extrusion plant
- removable individual circuits, modular design
- central interface

2-circuit temperature control unit for vessel temperature control in lubricant production
- energy-saving system
- PLC controller
- customer-specific
Our ambition
From consulting to after-sales service

Consulting
We offer individual consultations on aspects related to process and equipment – from temperature control over cooling and refrigeration technology to combination of heat recovery and energy saving systems – everything from one source.

- Tailor-made, energy-optimized systems
- Expertise in preparation of technical offers
- Customer-specific solutions and concept development based on customer specifications and respective national standards
- Mechanical design, electrical planning and programming – all done in-house

Order processing and project management
Our particular strength is the comprehensive know-how of our engineers and technicians who will ensure a flawless technical implementation of your projects.

- Mechanical design in 2D/3D SolidWorks, AutoCad
- Electrical design in EPlan P8
- Creation of PLC programs in S7 and Allen Bradley, data exchange between all popular formats
- Equipped with high quality, well-known components designed for specific operating conditions (e.g. adapted for tropical climate, seawater-resistant, and much more)
- Steady, durable construction built by in-house skilled workers
- System support until commissioning at the end customer’s premises

Our services
include consulting and design of individual devices and complete systems. Up to project implementation, commissioning and worldwide after sales service.
Our ambition
From consulting to after-sales service

Production and final inspection
Our high level of vertical integration and our experienced personnel ensure a high flexibility and a quick reaction.

- Modern ERP system for optimal production control
- Know-how is maintained due to continuous training of our personnel
- Functional and performance tests, programming in our own test facility
- Preparation of AS BUILT documentation in all required languages

Worldwide commissioning and after-sales service
Our own service department provides a full range of services from commissioning to maintenance visits. Worldwide a fast response is provided – 24 hours, 7 days a week.

Through our service technicians in China, we even cover the Asian region providing our long-term expertise and a rapid availability.

Thanks to our own warehouse, a high vertical range of manufacture and our strong global network of suppliers a high availability of spare parts all over the world can be provided.
Quality
Competence and experience

Certification acc. to DIN EN ISO 9001: 2008
Since 2009 Kelviplast is certified acc. to DIN EN ISO 9001: 2008 in order to ensure and maintain our proven product and process quality.

Quality control and assurance
We check every system and device during the manufacturing process using the prescribed quality control procedures. Every system we produce is subject to an individual quality test prior to shipment.

International standards and guidelines
Over years Kelviplast has accumulated vast experience in planning and implementation of systems according to various standards and guidelines:

- UL standard
- NFPA
- CSA (Canada)
- EAC (Russia)
- ATEX version (Ex protection)
- Dosh (Japan)
- JIS (Japan)
- Marine approvals
- ASME
Commissioning
Training
Spare parts
Troubleshooting – 24/7
Maintenance
International after-sales service