

**Hoses and
Hose Line Systems**
for Heating and Cooling



Great Climate Control – for Your Vehicle and the Environment

Individual system solutions generate true added value for our customers

ContiTech Fluid Technology has established itself as development partner throughout a large part of the automotive industry. The "Heating & Cooling Systems" segment specializes in all tasks relating to heating and cooling. This strategic approach has yielded decisive benefits. We are closer to our customers and can work with them to realize new developments with considerably shorter project times.

ContiTech provides individual solutions that guarantee our customers real added value. As the world's largest manufacturer in this sector, we have particular expertise in plastics and elastomer materials. A broad spectrum of manufacturing processes enables us to implement all new developments in line with customer wishes.



Rigorous quality management provides for consistently high product quality. Our skill and expertise is something you can rely on at all times. All around the globe.

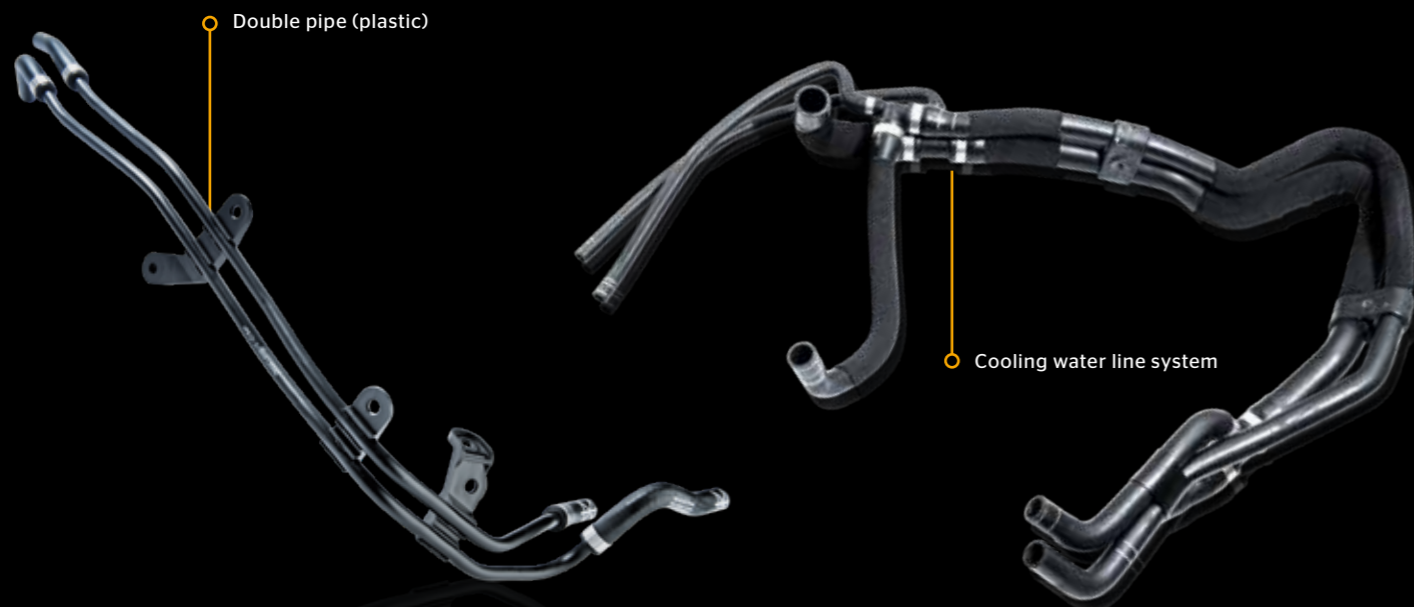
ContiTech Fluid Technology is your specialist when it's a matter of efficiently managing and conducting media flows. Whether for air, technical gases, fuels, hydraulic oils, cooling water, chemicals, or food-quality fluids, ContiTech develops and produces highly reliable hose and line systems.

We are specialists in automotive engineering. The success of our global company is based on our understanding of our role as your development partner. We continuously exchange information and ideas with our customers to develop innovative new products tailored to their precise specifications.

The result: highly efficient products that contribute to superb driving pleasure for your customers.

All the activities at our company are guided by the general principle of Engineering Green Value. We combine technological expertise with effective protection of the environment and the global climate and sustainable business activity for the benefit of present and future generations. After all, values unite us.

ContiTech Fluid Technology - the connecting force



Coolly Calculated, Warmly Recommended

Whether for heating or cooling, our systems are just right for specific operating conditions.

Our systems for coolant and heating circuits are an expression of our tried-and-tested philosophy of offering maximum quality for complex geometries and extreme operating conditions.

Thanks to their special heat stabilization properties, our elastomer materials are good for a wider range of application than conventional systems - in temperatures of up to 200 °C. This eliminates the need for additional shielding or jacketing.

As important as safety and quality are, our customers prize one thing in particular: the high efficiency of our systems. It results from the ideal combination of plastics, elastomers and metals and the integration of all necessary functional components.

An optimized modular system comprising molded hoses, quick couplings, and many other components designed to work together allows us to offer the perfect solution.



You Set the Challenge, We Provide the Solution

The long-term expansion of our plastics expertise has made us one of the world's leading manufacturers in this segment.



In automotive engineering, metals and extruded rubber hoses are increasingly being replaced by plastics. This trend has considerable benefits for automotive manufacturers, end customers, and indeed for the environment. Plastics are considerably lighter and their use therefore leads to lower fuel consumption. This contributes to effective protection of the climate and the environment.

We are experts in the processing of a wide variety of different elastomers and other plastics. It is on this basis that we develop solutions tailored to specific parameters.

The result: totally reliable products that can do their job at temperatures of between -50 °C and +200 °C. Since 2010, ContiTech has maintained its own production capacities for plastic blow molding and extrusion technology. These allow us to manufacture both blow-molded coolant tubes, and extruded, thermoformed, smooth or corrugated tubes.

In this important area we therefore retain control of development and production and can respond more flexibly to new customer requirements. A development partnership in the truest sense.

Tried and Tested Quality in All Processes

We know that consistently high product quality is the best way to generate customer loyalty.

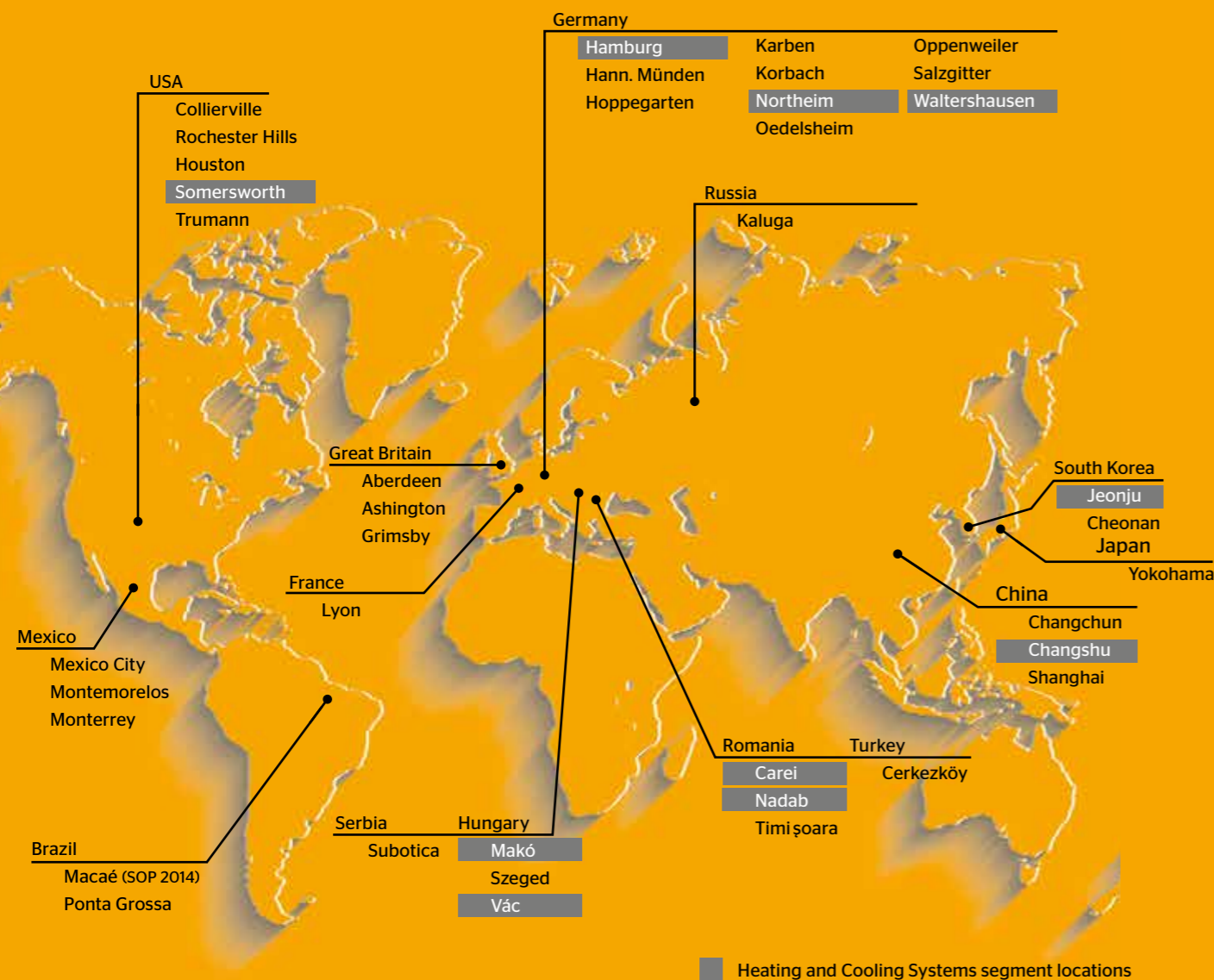


We believe that consistently high product quality is the best way to generate customer loyalty. This is why we have implemented quality control systems that are effective at different levels. In addition to being party to the global management program Q3BIC, we also implement projects for process optimization. All our locations are certified in accordance with DIN EN ISO 9001, TS 16949, ISO 14001:2004, and VDA 6.1.

On this basis, our highly complex assemblies are subjected to demanding, multi-stage tests using the latest motion and pressure pulse test stands. To suit precise customer requirements, we investigate the behavior of all relevant parameters concern-

ing tensile strength, elongation properties, ply adhesion, compression set, etc. The technology has won your trust because it has passed your field tests.

And it yields quality relied upon by more and more customers. We currently develop and produce at 10 sites in 6 countries, manufacturing more than 400,000 hoses a day for charge-air, heating, and cooling circuits. Our international capacities have been boosted by our new plants in Changshu, China, and Somersworth, New Hampshire, U.S.A. They are part of a decentralized structure that enables us to provide application-specific solutions for our customers across the globe.



No Matter Where Your Markets Are, We Have Them Firmly in our Sights.

Maximum performance at all times, wherever needed, is the principle that drives us on. Our decentralized company structure and production sites in Europe, the Far East, and North and South America put us within easy reach of our customers and markets. Global key account management and an international sales and R&D organization ensure just-in-time availability of our products and services in the quantity required.

If so desired, our engineering services can be closely integrated into your company processes via IT interface and resident engineering. This guarantees that projects progress quickly, from the development of new technologies right through to their market maturity. As a part of Continental AG, we benefit from the synergistic potential, financial clout and overall expertise in rubber and plastics technology of this international company. Make sure you benefit too!



Ideas, Values, Future.

We strike a balance between sustainability, social responsibility, and good business sense.

As a company operating worldwide, we support our partners by providing innovative solutions that reflect our guiding principle: "Engineering Green Value." ContiTech Fluid Technology organizes its activities so as to ensure a long-term balance between social responsibility, sustained protection of the environment and the global climate, and cost-efficient design of processes and production.

- In the fields of charge air and heating/cooling, we make sensible use of plastics. The resulting weight-savings lead to noticeably lower fuel consumption.
- We produce using fully electric rather than hydraulic machines. This proven energy efficiency helps reduce the burden on the environment.
- We support the downsizing of engines with hose and pipe systems that meet specific customer requirements. All leading automotive manufacturers have approved our products.


These are just three examples of a number of solutions that show how we are keeping the next generation, too, in mind.



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The ContiTech division of the Continental Corporation is a development partner and original equipment supplier to numerous industries for high-quality functional parts, components and systems. With its know-how in rubber and plastics technology, ContiTech contributes significantly to industrial progress and mobility that is safe, comfortable and eco-friendly.

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