FRÄNKISCHE INDUSTRIAL PIPES

FIFCOOLING

Thermal management solutions



REDUCE CHARGING TIMES



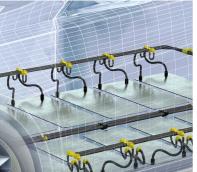




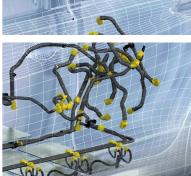












Shaping the future of **MOBILITY TOGETHER**



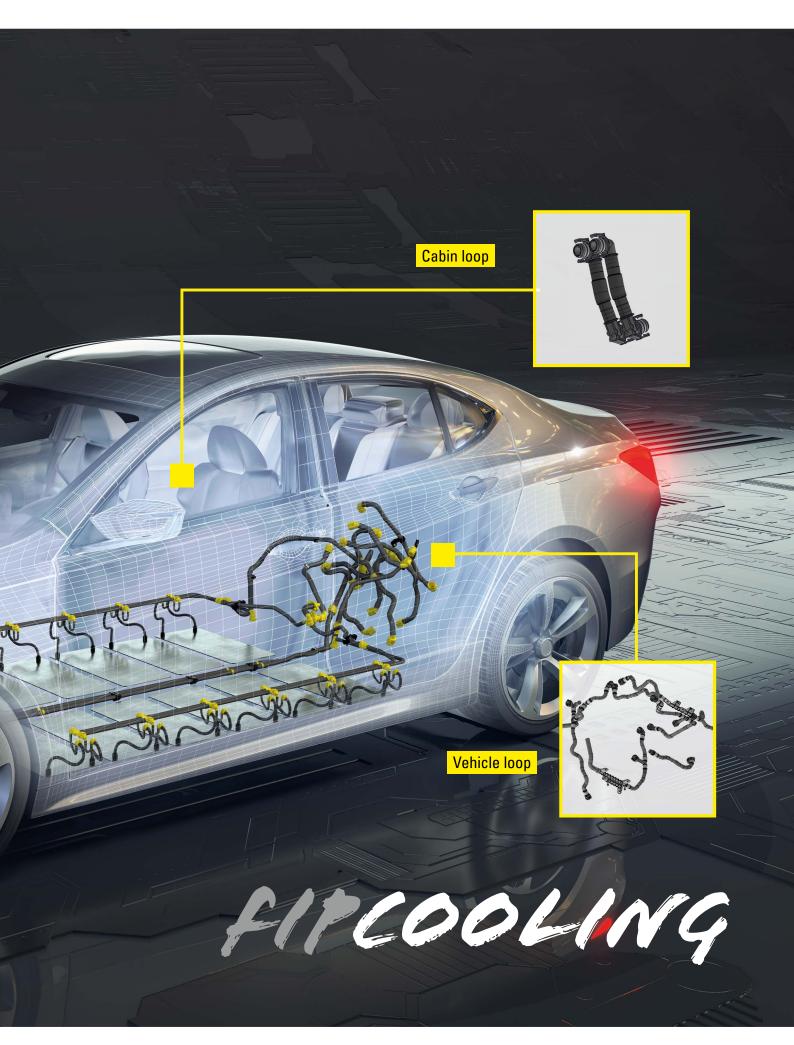
Integrated durable thermal systems for battery, hybrid and autonomous vehicles

From the point of view of the automotive sector, thermal management is understood to mean the energy optimization of the heat balance in the vehicle with the task of operating all components in the optimum temperature range and generating comfortable temperatures for the occupants in the passenger compartment.

In the field of thermal management, too, our customers benefit from the expertise we have built up over decades. In close cooperation with customers, we develop and produce easy-to-assemble systems in compact design, including CFD design, including CFD analysis and pressure loss optimization. In addition, taking the weight into account (lightweight construction) and with optimized water vapor permeability.

The individually optimized ducting systems regulate the temperature of the battery, the traction drive, the electronics and the interior of battery and hybrid vehicles. The special solutions for cooling, heating and venting of vehicle





Turning standard into outstanding



THE FIP SOLUTION

designed for extended lifetime (~10 times higher than ICE) requirements leading to reduced incident rates

EXPERIENCES



advanced and experienced solutions

more than 800.000 FIP thermal systems are already on the road

- > 40 Mio. QCs
- > 30 Mio. meters of corrugated tubing



BENEFITS



- + robust and durable
- + customer specific systems based on corrugation technology
- + maintenance-free
- + lightweight design
- + eco efficiency
- + recyclable
- + on-site design / CAE support
- + one stop shop
- tracable function check



SOLUTIONS



- consultation
- conception
- production
- service



CONNECT 6:

Our 6 components for your individual thermal management system

Our wide range of products for battery, hybrid and autonomous vehicles can be individually composed of the following 6 components:

1



FIPCOOL

Powerful corrugated and smooth tubes

2



FPCOOLSC

Space-optimized connectors with special features

CONN

3



FPCOOLCONTROL

Function-integrated plug systems with integrated sensors

FIFCOOLING

4



FPCOOLCONNECT

Form-fitting connecting elements

ECT 6

5



FPCOOLFIX

Securely lockable fixing elements

6



FPCOOLPROTECT

Protection sleeves and pads

It is time to move on. BE MORE SUSTAINABLE.



Rooted in Königsberg – globally successful!



FRÄNKISCHE is an industry leader in the design, manufacturing and marketing of technically superior pipe systems, shafts and system components made of plastic and metal, and offers solutions for building construction, civil engineering, automotive and industrial applications.

Founded in 1906, the company is a third-generation family-owned business with around 5,000 employees working at production and sales facilities around the globe.











