

## Perfect cooling for electric charging stations.

**Riedel Kooling expects strong market growth for cooling solutions in the field of electric mobility by 2030.**

When it comes to fast charging electric cars, nothing works without efficient cooling systems. The high charging currents that usually flow through charging cables or battery storage systems in a short time generate heat that must be cooled. Only then are charging stations able to work smoothly and transfer the energy without major losses. Under the Riedel Kooling brand, Glen Dimplex Deutschland offers individual cooling solutions that are perfectly adapted to their use in the field of electromobility. The company will present its innovative systems at the international trade fair Power2Drive 2022, from 11 to 13 May 2022 in Munich.

In the field of electric mobility, Riedel Kooling's cooling systems are mainly used for high-power charging stations. They can also be used to cool battery storage systems, which are usually operated in conjunction with several high-power charging stations. The customised solutions take into account power, designs as well as electrical interfaces and hydraulic extensions of the charging stations into which they are integrated. They are particularly quiet in operation and are usually operated without refrigerants and compressors.

The cooling capacity of the compact cooling systems can be flexibly adapted to the respective power requirements of the charging infrastructure. Due to their very high cooling capacity potential compared to their dimensions, they are also suitable for future megawatt charging stations that will be needed for charging vans, buses or trucks.

In addition, it is possible to integrate digital sensors to continuously measure temperature, flow, pressure and power. In this way, the entire system can be effectively monitored and reliably operated without being on site. The system recognises when a component needs to be replaced.

The market for cooling solutions in the field of electromobility is growing strongly. There are currently over 42,000 public charging points installed in Germany and over 340,000 in Europe. For 2030, the EU expects a demand of over three million charging points. "In addition, the share of fast charging stations with special requirements for the cooling of the systems is growing, so we at Riedel Kooling expect strong market growth in the coming years," emphasises Karsten Wiessner, Business Development Manager at Riedel Kooling. "And we also offer the perfect cooling solutions for the coming hydrogen infrastructure."

### **About Glen Dimplex Deutschland and Glen Dimplex Group:**

Glen Dimplex Deutschland is part of the international Glen Dimplex Group based in Ireland - a leading international supplier of electric heating solutions and domestic appliances.

Glen Dimplex Deutschland combines the group's global knowledge and expertise in the development of highly efficient system solutions for heating, cooling and ventilation of buildings, as well as commercial and industrial applications and supplies the Dimplex, Riedel Kooling and Koolant Kooling brands. As well as the headquarters in Kulmbach, Glen Dimplex Deutschland also has subsidiaries in Kalamazoo (USA) and Shenyang (China). The company is managed by CEO Clemens Dereschkewitz and Heiko Folgmann - Managing Director for the Business Unit Heating and Ventilation.

Under the Riedel Kooling brand, the company bundles its sustainable, individual cooling solutions for a wide variety of applications in the professional environment, from laser machines to magnetic resonance tomographs to 3D printers. The range includes customer-specific individual projects, small series and large series with several 20,000 cooling solutions per year.

At its HQ in Kulmbach, Glen Dimplex has stood for expertise in heating and refrigeration for over 40 years. This is where energy-efficient heating and air-conditioning systems are designed by our engineers and technicians at our in-house Development department and perfected to market maturity. Products from Glen Dimplex are a byword for engineering expertise, quality and "Made in Germany" design. Glen Dimplex Deutschland's worldwide locations employ around 1,200 people.

### **Contact:**

Henrik Rutenbeck, Director Marketing  
E [henrik.rutenbeck@glendimplex.de](mailto:henrik.rutenbeck@glendimplex.de)  
M +49 (0) 151 571 37 570