



## Media Release

Schaffhausen

23 May 2023

**Embrace the cold in battery production**

### **The COOL-FIT plastic piping system is process safety and energy efficiency – now with Environmental Product Declaration (EPD)**

**COOL-FIT has already changed the planning, installation, and operation of cooling applications in the industry. The entirely pre-insulated plastic piping system is a lightweight, long-lasting, and cost-effective solution for air conditioning and refrigeration applications. Now, COOL-FIT has been assessed with an Environmental Product Declaration (EPD).**

In the age of digitization, nothing works without electrification. The development, production and operation of high-performance batteries therefore pave the way for the future. Where energy storage systems are manufactured and used, energy efficiency often makes the difference. For example, in the provision of cooling. In production and distribution, process reliability is just as important as efficient energy use. As well as critical clean and dry room technology is in focus when it comes to efficient processes where a controlled environment is key. Optimally insulated plastic piping systems make all the difference here. The industry benefit from the corrosion and maintenance-free alternative to post-insulated metal. COOL-FIT guarantees a constant temperature of the cooling system.

For added transparency, GF Piping Systems has now assessed the COOL-FIT range with an EPD in accordance with ISO 14025 and EN 15804. An EPD is a standardized, third-party verified document that uses scientifically quantified data from Life Cycle Assessments to estimate environmental impacts and enable comparisons between similar products.

Daniel Dossenbach, Head of Global Product Management Cooling at GF Piping Systems is proud of COOL-FIT's performance in the battery sector: "We have already shown that COOL-FIT makes applications more efficient and sustainable. With our EPD certification we now also provide transparent information on the environmental performance of the system itself, which benefits the customer. Combined with COOL-FIT products that are specifically designed for the high industrial demands, we believe that we can offer the battery sector a flexible and complete piping solution that plays a valuable role in achieving their efficiency and sustainability goals."

COOL-FIT is a completely pre-insulated plastic piping system consisting of pipes, fittings, valves, flexible hoses, and tools. They can be implemented in secondary refrigeration and air conditioning applications using chilled water, as well as glycol, ethanol, and brine in the -50°C to +60°C temperature range. Thanks to the factory-installed pre-insulation of the plastic components and the vaporproof construction, the system facilitates 30% better insulation performance within the cooling circuit compared to a traditional post-insulated piping system made of metal. Furthermore, it is 60% lighter than post-insulated metal systems and can be installed 50% faster thanks to electrofusion jointing technology. Through the application of corrosion-free materials, COOL-FIT has a service life of 25 years and therefore saves resources that would otherwise be necessary for maintenance, repairs, or replacements.

[Meet GF Piping Systems at Battery Show Europe in Stuttgart from 23 to 25 May 2023 in Hall 8, booth 8-F81.](#)

[Find out more about COOL-FIT's EPD certification.](#)

**Media contact:**

Constanze Werdermann, Global PR Manager  
[constanze.werdermann@georgfischer.com](mailto:constanze.werdermann@georgfischer.com)  
+41 76 33 99 218

**GF Piping Systems**

As the leading flow solutions provider for the safe and sustainable transport of fluids, GF Piping Systems creates connections for life. The division focuses on industry-leading leak-free piping solutions for numerous demanding end-market segments. Its strong focus on customer-centricity and innovation is reflected by its global sales, service, and manufacturing footprint and its award-winning portfolio, including fittings, valves, pipes, automation, fabrication, and jointing technologies.

GF Piping Systems has its own sales companies in 31 countries, which means it is always by its customers' side. Production sites in 36 locations in America, Europe, and Asia ensure sufficient availability and quick, reliable delivery. In 2022, GF Piping Systems generated sales of CHF 2'160 million and employed 8'085 people. GF Piping Systems is a division of Georg Fischer AG, founded in 1802 and headquartered in Schaffhausen, Switzerland.

[www.gfps.com](http://www.gfps.com)

**Pictures**





COOL-FIT has already proven to offer performance benefits compared to metal. Thanks to an EPD certification, customers can now also access transparent information on its environmental performance.

Source: GF Piping Systems



Daniel Dossenbach, Head of Global Product Management Cooling at GF Piping Systems.

Source: GF Piping Systems