



## Media Release

Schaffhausen

16 April 2025

### Beyond performance: GF's SYGEF turns 50

**With their high chemical and temperature resistance and unique purity properties, SYGEF Standard and SYGEF Plus are designed for challenging water and chemical applications. For over five decades, these PVDF piping systems have proven to be a reliable and trusted solution in the field.**

GF first introduced SYGEF to meet the growing demand for Flow Solutions in applications requiring high purity and resistance to aggressive chemicals. While the brand encompasses a variety of materials and technologies, the SYGEF PVDF range has seen particular success in industries such as pharmaceuticals, microelectronics, and chemical processing.

SYGEF Standard is specifically designed for corrosive environments. It combines high mechanical strength at temperatures between -20°C and 140°C with high chemical resistance against aggressive substances, including oxidizing and non-oxidizing or organic acids. In addition, PVDF is highly weather-resistant and can withstand prolonged exposure to sunlight, wind, or rain. Tailor-made welding solutions include IR fusion, characterized by a contact-free melting process that eliminates the risk of contamination.

SYGEF Plus is a high-purity PVDF piping system specifically engineered for applications demanding exceptional purity and stringent particle control. All components follow the SYGEF High Purity Chain, from raw material selection to the installation, and are manufactured and double bagged under ISO Class 5 (100) conditions in one of the largest cleanroom factories for fluoropolymer products in Ettenheim, Germany. Continuous improvements, regular leach-out tests that exceed SEMI F57 standards, and seamless quality assurance contribute to maximum reliability. Enhanced by specifically developed jointing technologies, SYGEF Plus is suited for the most demanding high-purity applications.

Looking back at the history of SYGEF PVDF, Sebastian Ehrhlinspiel, Product Manager for SYGEF at GF, comments "In highly demanding industries such as microelectronics or chemical processing, companies are pushing the boundaries of technology. SYGEF Standard and Plus not only meet the requirements of today's harsh or high-purity applications but have done so for the past 50 years. Combined with a complete solution approach that includes extensive services, our profound experience empowers customers to maximize the potential of their piping systems. Here's to the next 50 years!"

**[Find out more about SYGEF, the Flow Solution for applications requiring high purity and resistance to aggressive chemicals.](#)**

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**GF Piping Systems**


GF Piping Systems creates connections for life as the superior water and flow solutions provider for industries and infrastructure, enabling the safe and sustainable transport of fluids.

The division focuses on industry-leading leak-free piping solutions and engineering services for numerous demanding end-market segments. Its global sales, engineering, and manufacturing footprint reflects its strong focus on customer-centricity and innovation, and its award-winning portfolio includes fittings, valves, pipes, vaults, chambers, automation, fabrication, and jointing technologies.

GF Piping Systems has its own sales companies in 33 countries and fabrication hubs in 15 countries, which means it is always by its customers' side. Production sites in 40 locations in the Americas, Europe, the Middle East, and Asia ensure sufficient availability and quick, reliable delivery. In 2024, GF Piping Systems generated sales of CHF 1'971 million and employed 8'309 people. GF Piping Systems is a division of Georg Fischer AG (GF), founded in 1802 and headquartered in Schaffhausen (Switzerland).

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

**Picture**

 The logo features a large, stylized '50' in a light blue-to-white gradient, with a white star above the '0'. To the right of the '50' is the text 'TH' in white. Below this, the word 'ANNIVERSARY' is written in white, and 'SYGEF' is written in a larger, bold white font. The entire logo is set against a dark blue background.	<p>For over five decades, SYGEF piping systems have proven to be a reliable and trusted Flow Solution in the field.</p> <p>Source: GF</p>
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The SYGEF PVDF Portfolio: Fluoropolymer piping systems with outstanding temperature & chemical resistance, maintaining the highest purity for highly demanding industrial applications

Source: GF