Media Release

Schaffhausen

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GF introduces the NeoFlow Pressure Sustaining Valve

The Swiss flow solutions provider has extended its range of pressure regulating valves for water distribution. The lightweight and compact NeoFlow Pressure Sustaining Valve is designed to protect upstream networks against insufficient or even negative pressure.

While excessive pressure can cause serious damage in water networks, the same is true for insufficient pressure, as backflow and sudden pressure drops can increase contamination risks and cause water hammers. In addition, negative pressure can create a vacuum that may lead to reverse leakages, damage to pipe joints, or even pipe implosions.

With the introduction of the NeoFlow Pressure Sustaining Valve (PSV), GF is offering an additional tool to maintain the pressure balance in water networks. Thanks to an axial flow construction, it does not require an actuator stem or diaphragm and is less prone to cavitation damage. Combined with a polymer valve body, this makes the NeoFlow PSV nine times lighter and five times more compact than metal alternatives. Customers therefore benefit from an up to 40% faster installation which reduces costs and saves valuable time. Available for pipe dimensions from DN50 to DN300 and pressures up to 16 bar, the valve can also be tailored to meet individual needs. The integrated pilot valve ensures continuous regulation of the preselected outlet pressure and allows parameters such as flow and water quality to be monitored and controlled with additional equipment.

Sven Merath, Product Manager Pressure Management at GF, comments on the launch: “Ever since the inception of the NeoFlow product range, it has been our mission to bring balance to water networks and combat non-revenue water. The NeoFlow Pressure Sustaining Valve achieves outstanding pressure control that protects networks and extends their service life, while simultaneously outperforming metal valves in areas such as weight, handling, and durability.”

In addition to the PSV, the NeoFlow line-up also includes a pressure reducing valve and a dual setpoint pressure reducing valve. Both valve types are designed to prevent over-pressurized pipes by ensuring an accurate and stable flow, as well as increased flow capacity. Furthermore, all NeoFlow pressure regulating valves can be flexibly adapted to customer applications - from reservoir level control to fully automated valves.

Find out more about the NeoFlow Pressure Sustaining Valve here.

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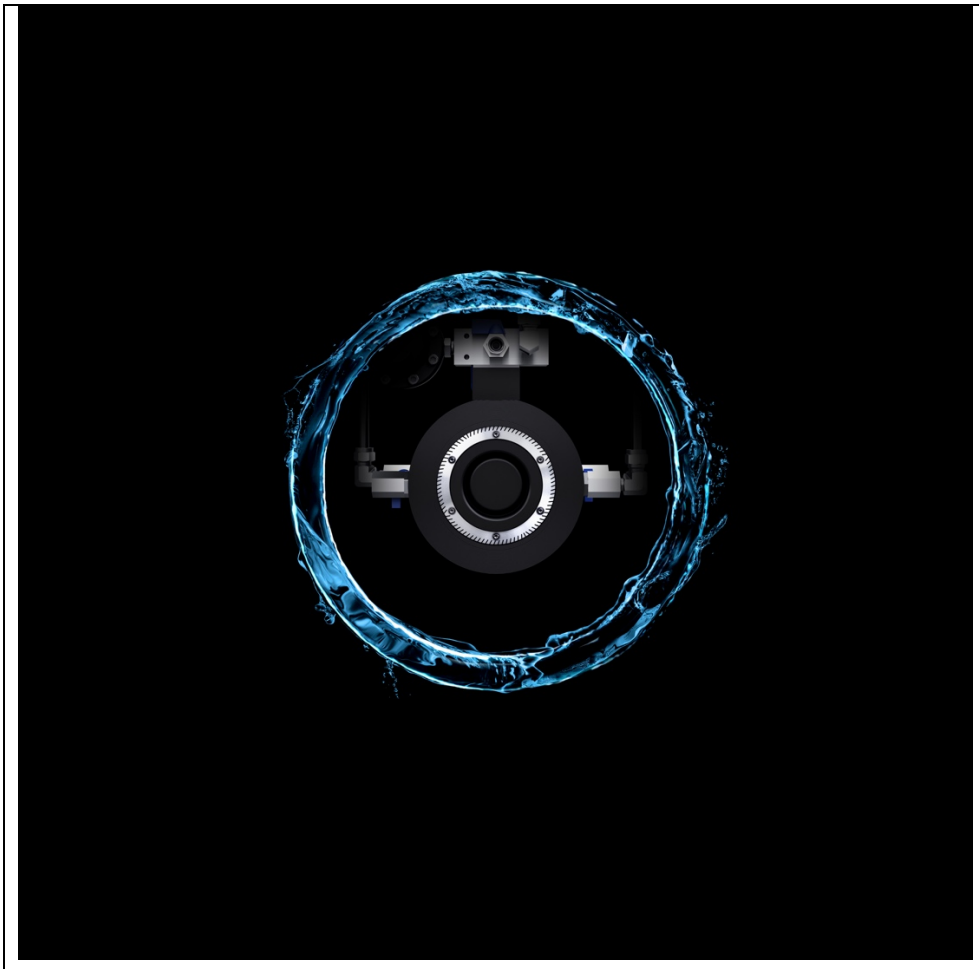
About GF Piping Systems
GF Piping Systems creates connections for life as the superior water and flow solutions provider for industries and infrastructure, enabling the safe and sustainable transport of fluids.

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

Pictures



Water in balance: GF's NeoFlow Pressure Sustaining Valve prevents low-pressure zones in distribution networks.

Source: GF

The NeoFlow PSV is 9 times lighter and 5 times more compact than a metal alternative and features an integrated pilot valve for additional functionality.

Source: GF