

Precise control

Electro-pneumatic Positioners



Everything from a single source

GF Piping Systems new Electro-pneumatic Positioner line ensures a safe and high-class control and regulation function of all pneumatically actuated valves.

A positioner is not only the connection between the actuator and the process it is the gateway to digitalization. Communication interfaces like PROFINET and EtherNet/IP (Q1/22), and analog and binary feedback ensure state-of-the-art integration standards and will lead the way to a digital and process data driven future.

The top-mounted positioner comes in a new compact design and a new adapter, which minimizes the total installation height and costs.

Secure and efficient process automation is ensured by the primary function that accurately sets the valve at a desired position, giving precise feedback and an optionally integrated PID function.

Easy and safe regulation

We ensure that every customer who runs pneumatic actuated valves can easily and safely regulate the process by a wide range of positioners, whose design makes it easy to fit in each application

State-of-the-Art communication standards

The positioner paves the way to integrate the automated valve into a digital process and even closes the whole control loop by return process measurements

High performance

Product excellence with easy commissioning, contact-free position sensor and optional integrated PID-controller for stand-alone control loops

Easy modification

Pre-assembled to standard mechanical and electrical interfaces, easily modified and commissioned

Electro-pneumatic Positioner for rotary actuators

With our new electro-pneumatic Positioner we guarantee optimal control packed in a robust, compact housing. External operation is effortless due to the optional backlit large-screen display, which features a self-explanatory four-key interface. These advantages are available with distinctly higher performance and efficiency at considerably lower costs.

Benefits

- Compact and robust design
- Easy commissioning by TUNE function of positioner and process controller
- Integrated diagnostic functions for valve monitoring
- Dynamic control system without air consumption in the controlled state
- PID closed loop process controller function

Product features

- For pneumatic actuators in double-acting and single-acting function
- Power supply voltage 24V DC
- Activation 0-10 V, 0-5 V, 4-20 mA, 0-20 mA adjustable
- Multi-pin plug electrical connection
- Operation/configuration via display or internal DIP switch
- Protection rating IP65/IP67
- Binary input (fail-safe position, changeover)
- Operating mode (Automatic/Manual)
- Analog position indicator (0/4 to 20 mA, 0 to 5/10 V) for setpoints and actual values
- Approved and listed according to cULus and cCSAus



Electro-pneumatic Positioner for linear stroke actuators

Compact top mount Electro-pneumatic Positioner, tested and optimized for GF Piping Systems diaphragm valve type DIASTAR. Designed to optimize the flow profile of the liquid inside the pipe, these valves are made entirely of plastic for excellent durability and reliability. The modular design allows them to be easily adapted to process conditions.

Benefits

- Compact and robust design
- Easy commissioning by TUNE function of positioner and process controller
- Integrated diagnostic functions for valve monitoring
- Dynamic control system without air consumption in the controlled state
- PID closed loop process controller function

Product features

- For pneumatic actuators in single-acting function
- Power supply voltage 24V DC
- Activation 0-10 V, 0-5 V, 4-20 mA, 0-20 mA adjustable
- Multi-pin plug electrical connection
- Operation/configuration via display or internal DIP switch
- Protection rating IP65/IP67
- Binary input (fail-safe position, changeover)
- Operating mode (Automatic/Manual)
- Analog position indicator (0/4 to 20 mA, 0 to 5/10 V) for setpoints and actual values
- Approved and listed according to cULus and cCSAus





Together as one

We make Process Automation easy

GF Piping Systems is your experienced partner with a full portfolio of measurement, control, actuation components, and valves, which are easy to install and use, and have local support through all project phases. We offer the full package with our products and solutions, providing top-quality installation, a highly skilled team of experts standing by our customers' side every step of the way worldwide, and digitalized services ensuring a project is at the forefront of the market.

One user experience across the whole control loop

Accurate measurement is the basis for reliable process control

Physical parameters as well as analytics, including installation fittings, for an effortless combination.

Precise control throughout your automation loop

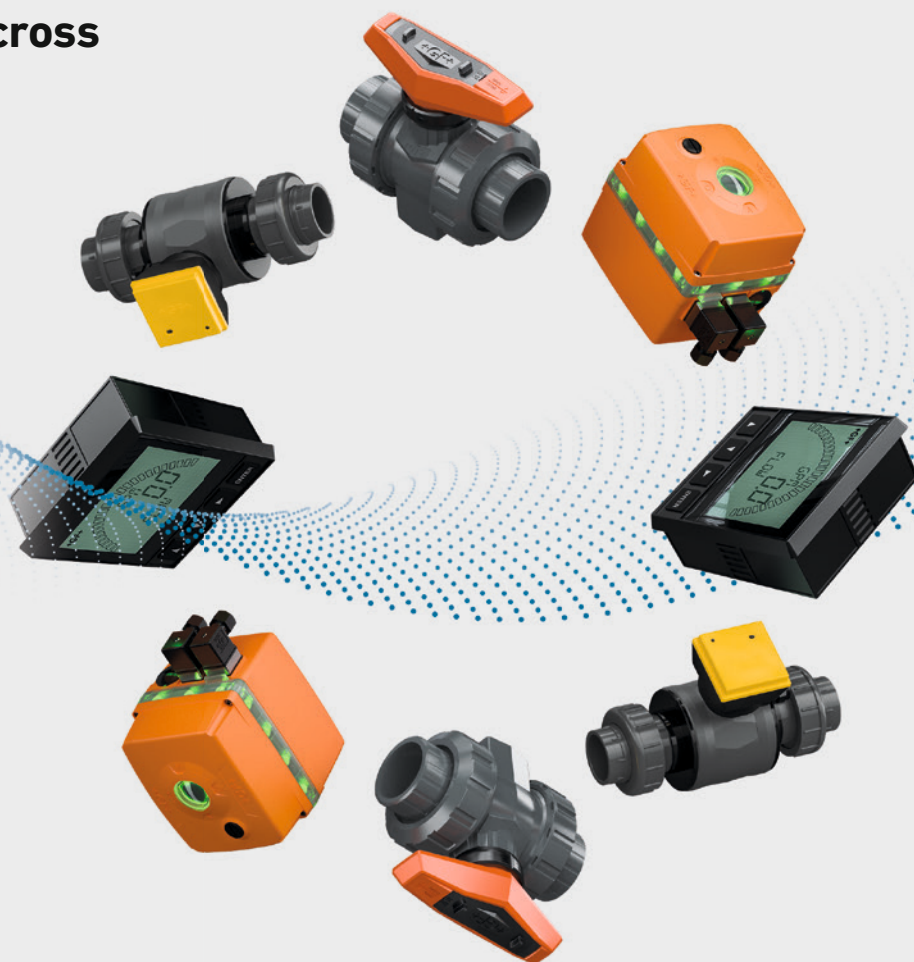
Single or dual channel with additional control capabilities.

Reliable actuation with configuration flexibility

Electric and pneumatic actuators for high flexibility on standardized valve interfaces. A wide range of accessories complete our actuation portfolio.

The right valve for your application

Ball Valves, Butterfly Valves, Diaphragm Valves, and various process valves including pipe connections that make installation a breeze.



www.gfps.com/processautomation

Specialized Solutions

Ready when you are

With Specialized Solutions, the global leader GF Piping Systems provides project support every step of the way to achieve construction excellence. Allowing owners and planners to concentrate on their daily business without interruption.



Custom product design and prefabrication

Having your individual needs and application in focus, our customizing teams forge the solution that fits you best, developing custom-made parts to complete systems or special solutions produced in small series, individual consulting and off-site prefabrication.



Digital libraries

The libraries cover three key areas for the design, creation, and maintenance of a project: Building Information Modeling, the Plant Design Software, and the CAD Library, helping you reduce costs and construction times.



Engineering

Increase the efficiency of your project with the tailor-made analysis packages from GF Piping Systems and decide which offer is right for you according to your needs. You have the choice between Project Analysis and Advanced Engineering, thus always receiving the appropriate support in every phase of your project. Established knowledge, guiding you through.

www.gfps.com/specialized-solutions

Next steps

In this brochure, you have received the most important information and technical details. But nothing replaces a personal conversation with an expert from GF Piping Systems. It is all about your needs and how we can support you in your daily business challenges. If you have not already done so, make an appointment today.

Find your local contact on the back cover of this brochure or visit our GF Piping Systems website, where you will find specialized contact persons in your area. You will also find additional information on our products, including technical datasheets, operating instructions, and relevant certificates and approvals.

More information at
www.gfps.com/ppa

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