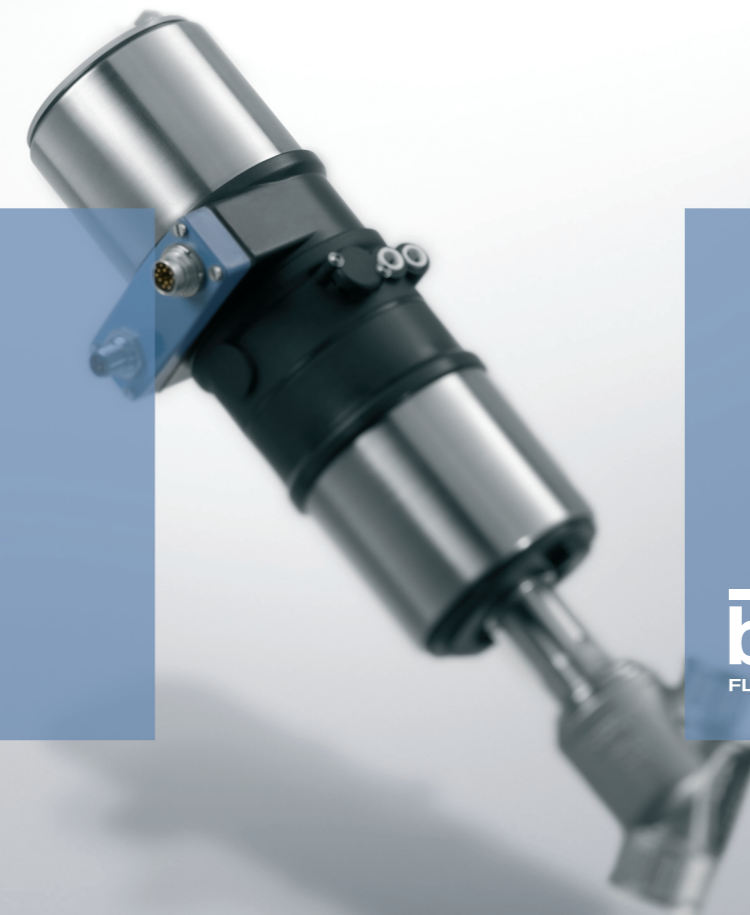


Intelligent, Integrated and Hygienic  
**The New Modular Actuator Concept**



**bürkert**  
FLUID CONTROL SYSTEMS

Bürkert Fluid Control Systems  
Christian-Bürkert-Straße 13-17  
74653 Ingelfingen

Tel. +49 (0)7940/10-111  
Fax +49 (0)7940/10-448

[info@de.buerkert.com](mailto:info@de.buerkert.com)  
[www.buerkert.com](http://www.buerkert.com)

## The Universal Solution

Applications in the food and luxury food industry and in the pharmaceutical sector place strict demands on process safety and require equipment to have smooth, easy-to-clean surfaces. In the food and luxury food industry, stainless steel surfaces are required, which must be resistant to all conventional cleaning processes. In the pharmaceutical sector, polished surfaces are crucial. As the only supplier on the market, Bürkert offers the universal solution for both sectors: a combination of valve plus sensor. However, our products can, of course, also be combined with all components made by other manufacturers.



### A Clean Appearance

With the modular actuator concept, you are getting a system solution that does not require any screw fittings to connect position feedback units or accessories. In addition to this simplification, our innovations impress with their smooth, clean appearance and the particularly easy-to-clean design those qualities create.

### Highly Integrated Intelligence

Our actuator concept offers integrated intelligence for distributed closed-loop control systems and features all-round user-friendly programming and operation, even including remote operation via Bluetooth technology. Modularity means: an actuator concept with integrated connection technology that communicates via fieldbus or PLC and which combines the required visual aspect with efficient technology for the respective application. Its advantage: an extremely compact, space-saving design ensuring a high degree of integration and stability.

### Approved for a Broad Range of Tasks

Bürkert's modular actuator concept complies with the regulations for the following fields of application with respect to its structure and use of modules and components:

- Use of materials resistant to cleaning fluids
- IP67 type of protection
- Exterior design pursuant to EHEDG regulations (approval pending)

### Optimized Processes

The new actuators are intelligent and able to communicate. They can exchange information with superordinate open-loop control systems or undertake local tasks. The following can be integrated into the "head":

- Pilot valves and position feedback unit, communication via fieldbus AS-i or DeviceNet for On/Off control
- Positioner, graphics display for distributed closed-loop control systems
- Positioner with autoadaptive PID controller and inputs/outputs for set-points and limit values
- Positioner and process controller with Profibus DP or DeviceNet fieldbus communication

### At a High Level

Modular level sensors complete the innovative actuator range. High-quality, proven technology integrated into a stainless steel housing enables new, unique system solutions in conjunction with our process valves, e.g. for filling level measurement.



### Complete Solution or Distributed Control Loop

As a universal complete solution or "on-site" as a distributed functional unit: with our modular components, Bürkert offers system solutions via Datalink which, together with sensors and the intelligent actuator, enable tailor-made and optimized control loops not only for filling level and flow control, but for analysis tasks as well. Furthermore, the modular actuator assumes the process control task and communicates with the PLC or process control system about the set-point and actual values.