

## Robolux Valve

**Developed for more compact process design**



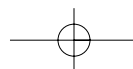
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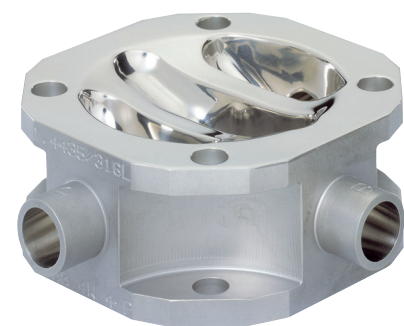
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- No dead volume
- Higher functionality in one housing
- Saves on diaphragms and valves
- Available in stainless steel or PVDF and PP
- Considerably shorter process time



## Double the Independence

The secret of the patented design of the Robolux valve lies in the capability of realizing two independent process switching functions with one diaphragm. This reduces installation expense and complexity, eliminates the need for T-connectors and minimizes the number of valves and diaphragms that would otherwise normally be required. The innovative multi-port valve improves process design, particularly in downstream processes, e.g. filtration or chromatography, and in other application situations in which valuable products are handled.



Robolux design: two switching functions in one housing with two links and one diaphragm

### A Revolution in Space/Performance Ratio

The new generation of multi-way, multi-port diaphragm valves was developed for ultra-pure installations. It offers the option of designing complex systems in a much more compact package. In downstream processes in particular, the Robolux valve convinces by minimizing volumes and dead volumes. Another advantage: simple and efficient cleaning procedures.

### No Dead Volumes!

This is the groundbreaking feature of the pneumatically controlled or optionally manually controlled innovations made of stainless steel and PVDF or PP plastic. Starting immediately, it is now possible to use a new basis for calculation in the field of sterile applications. Process time is shortened and the costs for otherwise required valves and diaphragms are reduced to a minimum.

### Security from a Global Player

The innovative Robolux valve is backed by the excellent reputation and organization of the Bürkert Group with respect to plant, installation and system engineering. Under the umbrella of the market leader in fluid technology, in this newly founded subsidiary, creative developers of valve technology concentrate on solutions for the future of the rapidly growing pharmaceutical, biotechnology and water treatment sectors. With the integration of Swedish manufacturer Robolux into the Bürkert Group, the expertise already developed there can be taken to an even higher level. As the customer, you benefit from the synergy effects and can tap into the full potential of an innovative multi-port valve, including the potential afforded by a variety of approvals.



### Integration: a System Advantage

Robolux block valves are particularly well-suited to a system approach. Their integrability allows existing process sequences to be converted to Robolux and redesigned, consequently achieving a reduction in the number of components. Simplification of the piping system and its components results in savings on space requirements, installation and maintenance costs.

### A Universe of Possibilities

We open up entirely new perspectives for automation, measurement and control in the biotechnology and pharmaceutical sectors:

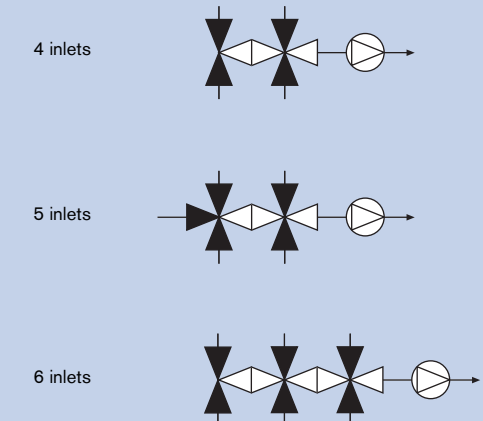
- I/O pneumatic systems with fieldbus communication in normal applications and in intrinsically-safe applications
- High-performance level, flow and analysis sensors
- Innovative valves for process and auxiliary media

The result: a modular system that lets you greatly enhance the overall effectiveness of the process – while reducing costs at the same time.

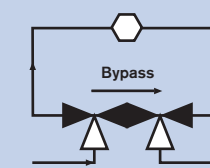
### New Modularity

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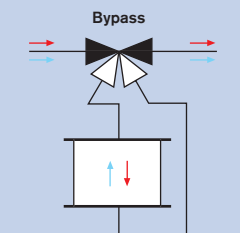
The inlet module is supplemented with a Robolux valve depending on the number of inlets required.



A filter module that directs the flow path through the unit or through the bypass.



The chromatography valve allows upstream, downstream and bypass mode.



Fraction collection and waste separation are performed in the outlet valve mode.

