

Bürkert Micro

Precision for Low Volume Applications



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bürkert
FLUID CONTROL SYSTEMS

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Technology cannot afford to stand still, and with the rapid developments in miniaturisation, microfluid components will be key to the growth of this dynamic sector. Controlled and automated handling of ultra-small quantities of fluid is in demand and miniaturisation of devices to perform this task will be a key driver for development of science-based industries.

Here at Bürkert, we have industry leaders in both products and systems. These are focused on the development of a range of products and integrated solutions to cover applications in sectors including:

- Life Science
- Clinical Diagnostics
- Medical Instrumentation
- Pharmaceuticals

To assist you with your specific challenges, we offer a complete range of services, with an expert global network of locally active project management, engineering and after sales service teams. Our objective is to help you improve the performance of your products and increase your profitability.



Precision Valves

Type 6650

With a width of just 4.5 mm, type 6650 sets new industry standards. Along with its compact design, the 6650's extremely fast and high-precision switching makes it primarily ideal for use in dosing tasks in the microlitre range.

Type 6624

The new TwinPower actuator enables a radical reduction in size and footprint without compromises in performance. With only 10 mm pitch our media-separated rocker valve comes along with 1.6 mm orifice and 2 bar pressure resistance.

Type 0127

Bürkert's unique rocker valve still sets a standard for media-separated valves in the field of laboratory, medical and analytical devices. This valve combines low internal volume with minimal dead volume and impresses with a large variety of port connections and materials.

Type 6628

The established rocker technology is characterized through full back pressure tightness, good rinsing capability and low internal volume. Type 6628 is available with different port connections, sealing and housing material to be able to adapt it to various applications.

Micro Pumps

Type 7604

operates on the principle of a self-priming diaphragm pump and was specifically developed for the continuous pumping of small quantities of aggressive, inorganic or biological media.

Type 7615

The Micro Dosing Unit 7615 consists of a diaphragm pump and active inlet and outlet valves. The components are assembled on a manifold in order to keep the internal volume to a minimum. The delivered volume can be adjusted via the cycle rate. Thanks to its high reproducibility ($< \pm 2\%$), the unit is ideal for precise dosing of the smallest quantities of liquids. PEEK and FFKM are the only materials that come into contact with the media. This facilitates the use with aggressive media. The Micro Dosing Unit can be easily connected via a 4-pole plug. It has an integrated electronics for an immediate use.

