Bürkert MicroFluidics

Bürkert Fluid Control Systems

Christian-Bürkert-Straße 13-17
74653 Ingelfingen
Germany

Phone: +49 (0) 7940/10-0
Fax: +49 (0) 7940/10-240
info@burkert.com
www.burkert.com

Bürkert MicroFluidics

Precision for Low Volume Applications

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 6604
Direct-acting flipper solenoid valve with media separation as 2/2-way or 3/2-way valve with monostable or bistable (pulse) switching function. Fast-switching. Very low power consumption and suitable for battery operation. Used primarily for very small quantities of aggressive media.

Type 6606
Direct-acting rocker solenoid valve with isolating diaphragm as 2/2-way or 3/2-way valve. With minimum dead volume and low-gap enabling easy-to-flush inner contour. High-quality materials guarantee extreme chemical resistance.

Type 6608
Direct-acting rocker solenoid valve with medium separated PEEK body with dead volume-optimised and easy-to-flush inner contour. Central screw coil fitting enables coil ex-change with application of medium.
For pressures up to 10 bar and orifice DN 3mm.

Type 0124
Direct-acting 2/2-way or 3/2-way pivoted armature solenoid valve with isolating diaphragm between solenoid system and media chamber. Available in various materials and with diverse applications including opening, shutting off, dosing, aeration or distribution.

Micro Pumps

Type 7604 Micro-pump
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 7616
Micro Dosing Unit
is ideal for the precise dispensing of quantities in the µl-range. The unit, which operates on the diaphragm principle, features high reproducibility. The delivered volume can be adjusted via cycle rate or stroke adjustment. The use of PEEK and FFKM as wetted materials only facilitates its use with aggressive fluids.