

Dosing Systems each μl counts



bürkert
FLUID CONTROL SYSTEMS

- **Reliable and precise**
- **Easy to integrate**
- **Customized dosing volumes**
- **Replacable wetted parts**

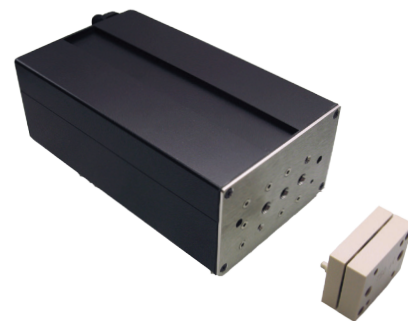
Dosing Systems

The effortless simplicity of Bürkert's products has always been something to rely on – now we have added pure flexibility to the list of standards you can expect. The fast Dosing Valve, the Micro Dosing Unit, the unique Pneumatic Dosing System and other customized Systems developed by Bürkert – all combine ultra-precision and repeatability of fluid dosing with a flexible, customisable design giving you precisely the results that matter to you. Whether your world is dosing pharmaceutical media or syrup, vaccines or coffee aroma – wide ranging performance just met your changing needs.

Pneumatic Dosing System

Innovation in Process Dosing

- Controller with integrated electronics
- Dosing chambers can be removed from controller
- Volumes between 150µl and 750µl/stroke
- High precision < +/-2%
- Low internal volume, easy flushing
- Doses almost independent from temperature and viscosity
- Self priming; doses in both directions
- Dosing chambers disposable for single use applications
- Sterilised dosing chambers on request
- Applications:
pharmaceutical liquids, aroma dosage for beverages ...

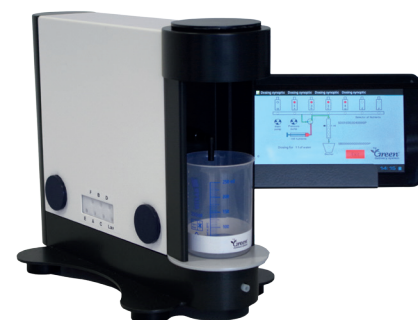


Systemhaus - Customized Innovations

High End Development, Production and Assembly of Customized Systems

Example: Fertilizer Dosing Unit for Six Fertilisers

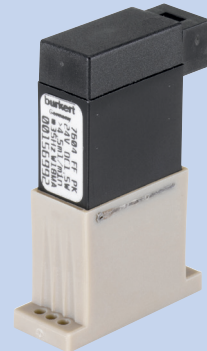
- Uses tablet computer via Bluetooth to run process
- Integrated dosing system with de-bubbler
- Development of mechanics, electronics and software in cooperation with the customer
- Complete assembly and production



Micro pump Type 7604

Continuous dosing

- 11 mm width
- Max. 5ml/min @35Hz
- Integrated frequency generator for variable dosing volume
- Nearly pulsation free
- Wetted materials PEEK/FFKM also suitable for aggressive liquids



Micro Dosing Unit Type 7615

Precise mixing and dosing

- 29 mm width
- Doses in both directions
- Max. 8 ml/min
- Single impuls with 5µl/stroke +/-2%
- Integrated frequency generator for 5, 10, 25 oder 40HZ
- Wetted materials PEEK/FFKM also suitable for aggressive liquids



Flipper Valve Type 6650

Precise dosing

- 4,5 mm width
- Switching time < 5ms
- Fluid separation
- Over 50 Mio. cycles
- Wetted materials PEEK/FFKM also suitable for aggressive liquids
- For precise dosing with pressurized liquids
- For Microtiter plate dosing, pipetting, ...





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