

Controlled pressure driven dispensing



Facts

- Volume precision $< \pm 2\%$ (measured for 100 μl to 3 ml)
- Uses internal pump for pressure generation
- Monitors pressure changes of gas phase in reservoir to define fluid volume dispensed
- Only pinch-valve in liquid path
- Fully portable
- WLAN
- Battery operation
- USB interface for stationary applications

Advantages

- Tracking of volume dispensed, fill level in reservoir, and flowrate
- No influence of flow resistance, i.e. changes in viscosity, tip geometry, or clogging
- No complex parts in liquid path
- Patent pending

Applications

- Mobile systems
- Multiple reservoir control for sequential fluid flow
- Low viscous fluids (aqueous, solvents)
- Viscous liquids (adhesives, oils, ...)
- Particle containing liquids

