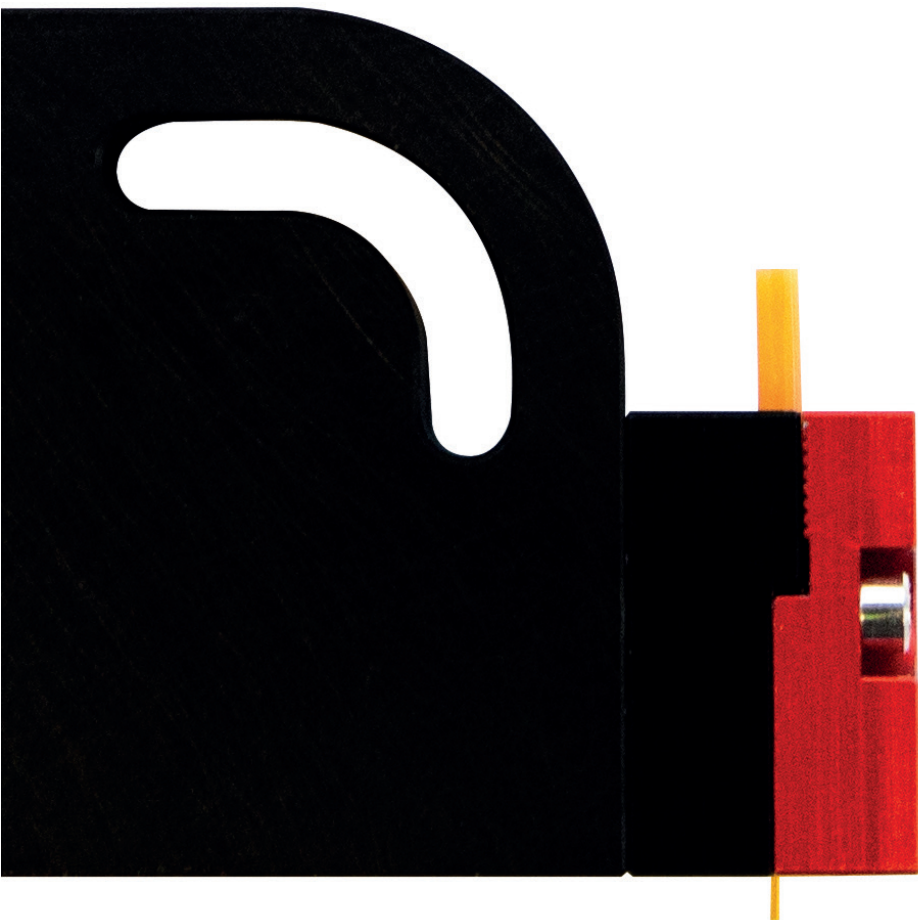


PIPEJET®

NON-CONTACT NANOLITER DISPENSER

NANODISPENSER



NANOLITER DISPENSING WITH BROAD APPLICABILITY

The BioFluidix PipeJet® technology is based on a piezo-driven dispensing by an elastic polymer tube. Direct volume displacement allows a non-contact and flexible handling of a broad range of liquids in the volume range from a few nanoliters to several microliters per second.



Simple **integration** into your laboratory automation workflow



Boost the **efficiency** of your liquid handling process

The **SmartDrop System** is the perfect add-on for your dispensing unit. The single droplets are captured in flight right after the ejection from the nozzle. Without any user interaction, the droplet size is automatically adjusted to the desired target volume.

NON-CONTACT LIQUID HANDLING WITH A DISPOSABLE TIP

KEY BENEFITS

- Drop-on-demand
- Highly precise volume delivery
- Efficient handling of samples
- Independent of liquid class
- Broad applicability

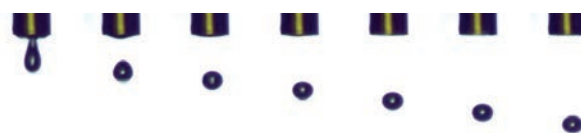


High **accuracy** and **precision** for a wide range of liquids.



Easy **calibration** of single droplet volume by optical imaging

AUTOMATED CALIBRATION BY SMARTDROP SYSTEM





DYNAMIC SINGLE DROPLET VOLUME RANGE FROM 1-70 nL

The separation of the fluid path from the mechanical actuator using the **PipeJet® Pipes** provides a versatile dispensing unit, which allows a reproducible liquid dispensing and no cross-contamination. Different diameters, lengths and also hydrophobic coatings of the long lasting disposables are available to address your needs!



Whether a single channel dispenser for a scientific experiment is needed or a non-contact dispensing unit has to be integrated into an existing automation system, a production machine or a novel product: The **PipeJet® NanoDispenser Kit** comprises all essentials to get started with the PipeJet technology and is ready for operation within minutes. The Kit includes the NanoDispenser, an electronic control unit and the software, as well as a starter package of Pipes and utilities to set up a single channel nanoliter dispensing system.

**LOW COST &
EASY TO EXCHANGE**

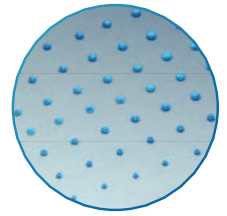
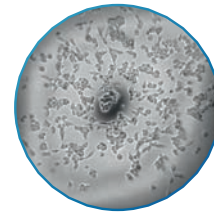
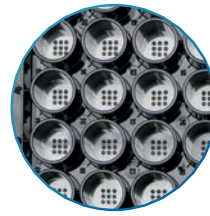
KEY BENEFITS

- Maximum precision and flexibility
- Minimal dead volume
- No cross-contamination
- Autoclavable
- Convenient handling

**ALL ESSENTIALS COMBINED:
PIPEJET NANODISPENSER KIT**



APPLICATIONS



LIFE SCIENCE & DIAGNOSTICS

- Sample preparation
- Assay miniaturization
- Microarrays
- Microfluidic chips
- Lateral flow assays

INDUSTRY

- Coating of medical products
- Adhesive dispensing
- Pharma production
- Materials research
- Semiconductors

ALL KIND OF LIQUIDS

- Buffers
- Detergents
- Living cells
- Beads
- Ethanol
- Methanol
- DMSO
- Solvents
- Oils
- Strong acids

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