

○ PRESSURE CONTROLLED RESERVOIR



- Highest dispensing accuracy
- Aspirate and Dispense
- Active liquid feeding to PipeJet® module
- USP class VI compliant

PRESSURE CONTROLLED RESERVOIR FOR HIGH PRECISION

The PipeJet® dispensing modules P9 and P4.5 can be upgraded with the Pressure Controlled Reservoir to maximize the dispensing accuracy and precision. Furthermore, it increases the maximum dispensing frequency and range of dispensable liquids.

Additionally the Pressure Controlled Reservoir actively feeds the liquid to the PipeJet dispensing modules. This makes the PCR the perfect add-on for high throughput applications.

APPLICATIONS

Long term operations with highest precision requirements

High throughput applications

Supports dispensing of high viscous and low surface tensions liquids

MATERIALS

All liquid contaminated materials:

- are low cost disposables
- can be sterilized
- are USP class VI compliant

Customized materials are possible



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PCR WORKING PRINCIPLE

The core component of the PCR is a pressure sensor which is included in the reservoir cap and samples the reservoir pressure. As soon as the system detects a change in the reservoir pressure the peristaltic pump will start to feed liquid/air* in order to compensate the pressure change.

*depending on setup

SPECIFICATIONS

Reservoir volume:	15 ml (Falcon™ tube)*
Pressure range:	± 50 mbar or ± 10 mbar
IO:	RS 232
Power supply:	24 V
Flow rate:	30 µl/min - 30 ml/min
User Interface:	BioFluidix Software
Tested Media:	Aqueous solutions, solvents, DMSO, beads, cells, PEG, THF, Acetonitryl, Ethanol, Methanol ...
Order No.:	PR 10010-E

* can be customized



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