

Pulsation free dosing system for generation of fluid streams down to nanolitres

Your benefits at a glance

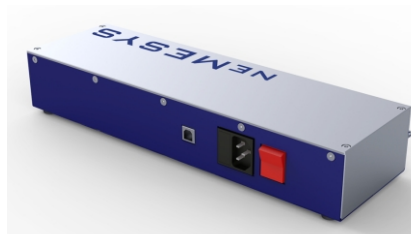
- pulsation free and high-precise dosage of fluid streams in the range of nanolitres per second
- continuous flow possible
- very good reproducibility of test results
- universal syringe holder - syringes of different type and size can be used (outer diameter 6 to 30 mm)
- quick release syringe holder for fast and easy syringe exchange
- 3/2-way valve for automatically generated refill
- withdrawal and infuse mode
- modular extensible system
- configurable devices according to required precision
- simple plugging of syringe pump units
- comprehensive software package

Examples of application

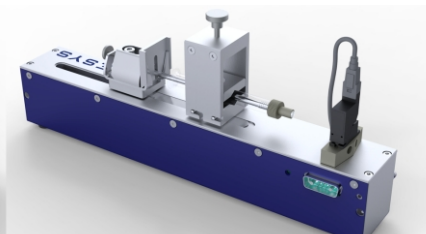
- Microfluidics and Lab-on-a-Chip applications
- Delivery for analytical methods (column filling, mass spectrometry and many more)
- Cell cultures applications (feeding cells and highly precise dosage of active agents)
- Pipetting and dispensing applications
- Microreaction technology
- Continuous flow

Modular and extensible

By simple assembling of single neMESYS syringe pumps (click system) or by linking them via bus cable you can build up a powerful multi-channel dosing system. By this you can generate a variety of fluid streams - synchronously and precise to nanolitres.



neMESYS Base-Module



neMESYS Single-Module



neMESYS System (1 x Base + 5 x Single)