

neMESYS MID PRESSURE

Mid Pressure Syringe Pump



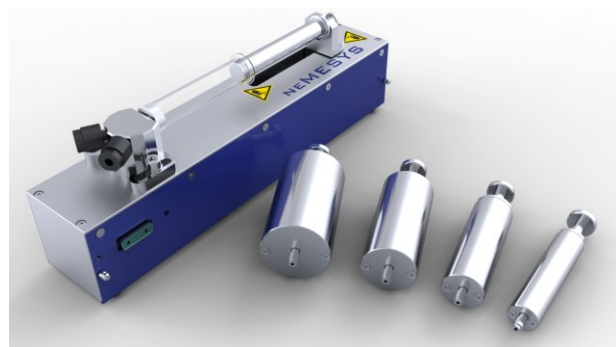
Precise and pulsation free dosage for pressure applications up to 195 bar

Highest precision up to 195 bar

The neMESYS mid pressure syringe pumps are made for the precise injection of fluids into systems with higher pressures or for working with viscous fluids. They bring the approved high precision neMESYS dosing technology into pressure ranges of up to 195 bar.

Technology

By simple assembling of single neMESYS mid pressure syringe pumps (click system) or by linking them via bus cable you can build up a high-performance multi-channel dosing system. The powerful, highly precise and PID controlled drive unit of this mid pressure pump ensures an extremely smooth movement of the syringe piston. This enables the pulsation free generation of precise fluid streams in the range of nanolitres and the dosage of micro volumes.



Your benefits at a glance

- pulsation-free generation of fluid streams in the range of nanolitres
- precise dosage of viscous fluids
- support of high pressure valves for continuous delivery of fluid for virtually unlimited periods of time (optional)
- precise dosage with pressures up to 195 bar
- up to 12 pumps can get chained together
- can be combined with neMESYS high precision syringe pumps for low pressures
- comprehensive graphical user interface
- glass syringes or rugged stainless steel syringes (2.5ml, 10ml, 25ml or 50ml) mountable

Example configuration: Five mid pressure modules and one base module (power supply) to build up a multi-channel dosing system.

2009-06-12

NEMESYS MID PRESSURE

Precision on a mouseclick



Comprehensive software support and easy to integrate into customized applications

Windows Software neMESYS UserInterface

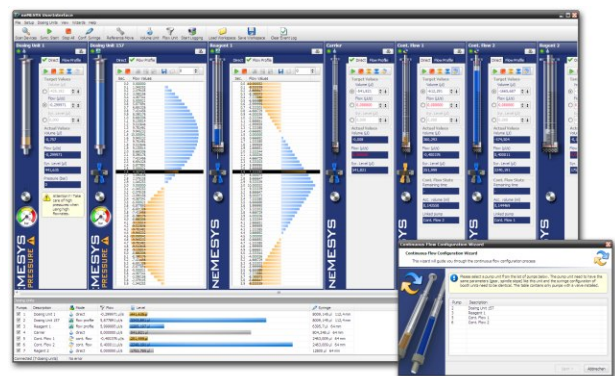
With the neMESYS UserInterface software you have full control over all parameters of your neMESYS mid pressure syringe pumps - no matter if you only would like to dose highly precise volumes or if you need more advanced functionality like manual, interactive flow control, creation and execution of complex flow profiles based on value tables or generation of continuous flows over a virtually unlimited period of time - the software already offers solutions for all of these requirements and many many more..

Highlights

- automatic detection of connected dosing units
- generation and editing of complex flow profiles
- import of flow profile from Excel- or simple text files
- configurable SI units for volumes and flow rates
- generation of continuous flows over a virtually unlimited period of time
- synchronous control of all dosing units
- pleasant visualisation of syringe sizes and syringe levels
- interactive control via mouse wheel
- logging of flow rates with configurable trigger events
- supports Windows XP, 2000 and Windows Vista

Integration into custom applications

- Windows 32-Bit DLL (i.e.. for integration into RAD Studio, Visual Studio .NET, Visual Basic, Matlab, Agilent VEE)
- LabVIEW Integration Kit
- RS232-Library (i.e. for microcontroller based devices)
- Low-Level IEC-1131 libraries (i.e. for S7-300, PLC Beckhoff with TwinCat, VIPA PLC)
- implements CANopen device profile DS4Q2 - Drives and



Interfaces

- USB (1.1 and 2.0)
- CAN (max. 1 Mbit/s)
- RS232 (max. 115200 bit/s)

2009-06-12