

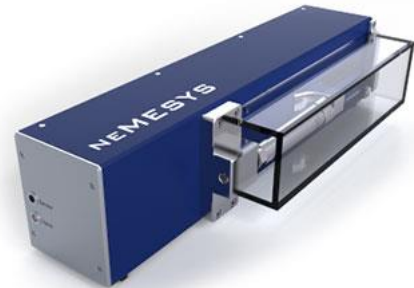


NEMESYS ULTRA HIGH PRESSURE SYRINGE PUMP

Description

Fast and precise fluid injections, reactant feeding for large scaled fluidic systems and various other demanding applications require the performance of cetoni's Ultra High Pressure syringe pump.

Beside different steel syringes for varying conditions, a complete metal-free system configuration for pumping of high corrosive liquids can be provided.



Flow Performance

Syringe	Material	Parameter		Pressure Max.
		Flow Rate Min [nl/min]	Flow Rate Max [ml/min]	[bar / psi]
10 ml	Steel	12.0	61,4	890 / 13000
25 ml	Steel	30.9	157,7	345 / 5000
60 ml	Steel	75.7	385	130 / 1885
75 ml	Steel	95.4	486.0	100 / 1450
100 ml	Steel / PTFE	124.0	631.0	85 / 1232
250 ml	Steel	302.0	1540.0	35 / 507

Mechanical Data

Weight.....19 kg
 Dimensions (L x W x H).....600 x 195 x 145 mm

Environment

Operating Temperature.....0 – 45 °C
 Storage Temperature.....-40 – 75 °C
 Operating Humidity.....20 – 80 %, Noncondensing
 Storage Humidity.....20 – 80 %, Noncondensing

Electrical Data

Peak Power Consumption.....240 W
 Power Supply Voltage (Input).....48 V DC

Interfaces

CAN.....max. 1 Mbit/s
 RS232max. 115200 bit/s
 I/O Port (12 Pin)12 bit

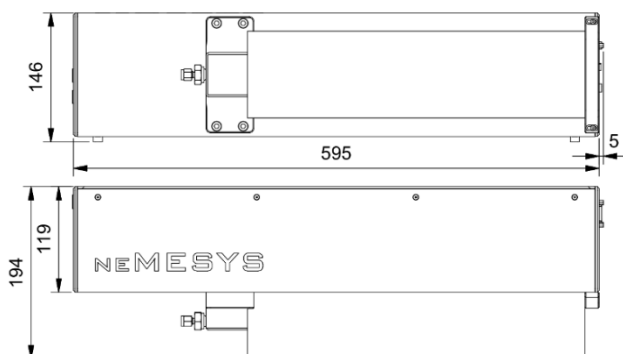
Module Performance

Max. Pusher Velocity.....13 mm/s
 Min. Pusher Velocity.....2.5 nm/s
 Min. Pusher Travel.....7.7 nm
 Max. Linear Force.....7000 N / 1574 lbs

Module Configuration

I – Piece Material.....316L* / PTFE
 Fluidic Port¼" female ISO

*default configuration





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NOTES
