

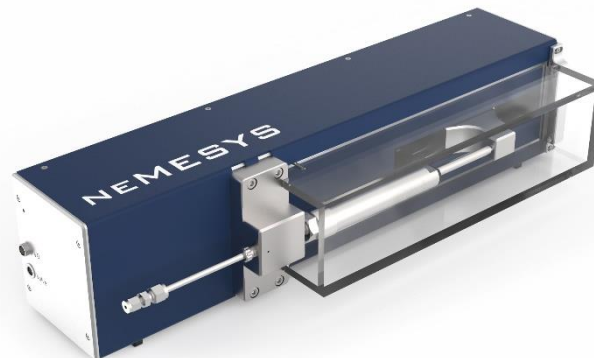


NEMESYS ULTRA HIGH PRESSURE SYRINGE PUMP

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	SST	12.0	61.4	890 / 13000
25 ml	SST	30.9	157.7	345 / 5000
60 ml	SST	75.7	385	130 / 1885
75 ml	SST	95.4	486.0	100 / 1450
100 ml	SST / PTFE	124.0	631.0	85 / 1232
250 ml	SST	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

RS232 max. 115200 bit/s

I/O Port (12 Pin) DI / DO / AI

MODULE PERFORMANCE

Max. Pusher Velocity 13 mm/s

Min. Pusher Velocity 2.5 nm/s

Min. Pusher Travel 76 nm

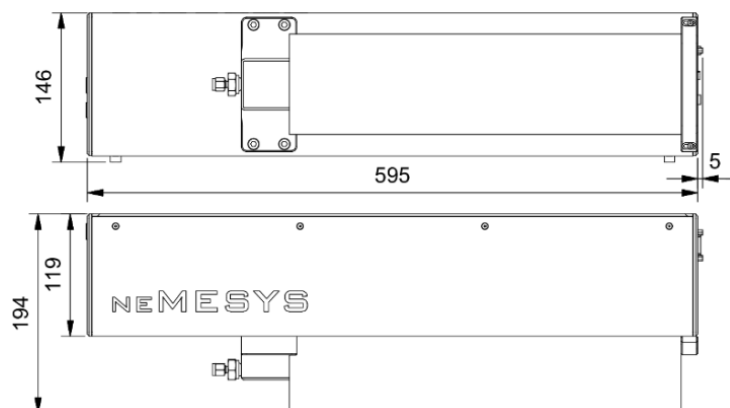
Max. Linear Force 7000 N / 1574 lbs

MODULE CONFIGURATION

I – Piece Material 316L* / PTFE

Fluidic Port 7/16"-20 UNF fem.

*default configuration





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NOTES
