

CETONI Nemesis S

Flow Performance

Syringe	Parameter			Pressure max. [Bar/psi]
	Flow rate min. [nl/min]	Recommended pulse free limit [µl/min]	Flow rate max. [ml/min]	
0,01 ml	0,008	0,002	0,060	10 / 145
0,025 ml	0,019	0,004	0,150	10 / 145
0,05 ml	0,038	0,008	0,300	10 / 145
0,1 ml	0,076	0,016	0,600	10 / 145
0,25 ml	0,19	0,04	1,50	10 / 145
0,5 ml	0,38	0,08	3,00	10 / 145
1,0 ml	0,76	0,16	6,00	10 / 145
2,5 ml	1,91	0,42	15,00	10 / 145
5 ml	3,82	0,84	30,00	10 / 145
10 ml	7,65	1,68	60,00	10 / 145
25 ml	19,13	4,20	150,00	10 / 145
50 ml	38,26	8,40	300,00	8 / 115

Materials and Ports

Fluid ports	1/4"-28UNF female (I-piece or valve)
Wetted materials	Valve: PPS, FKM (optional PEEK, FFKM) Pressure sensor: Al ₂ O ₃ (ceramics) Syringe: Borosilicate glass, PTFE, PCTFE

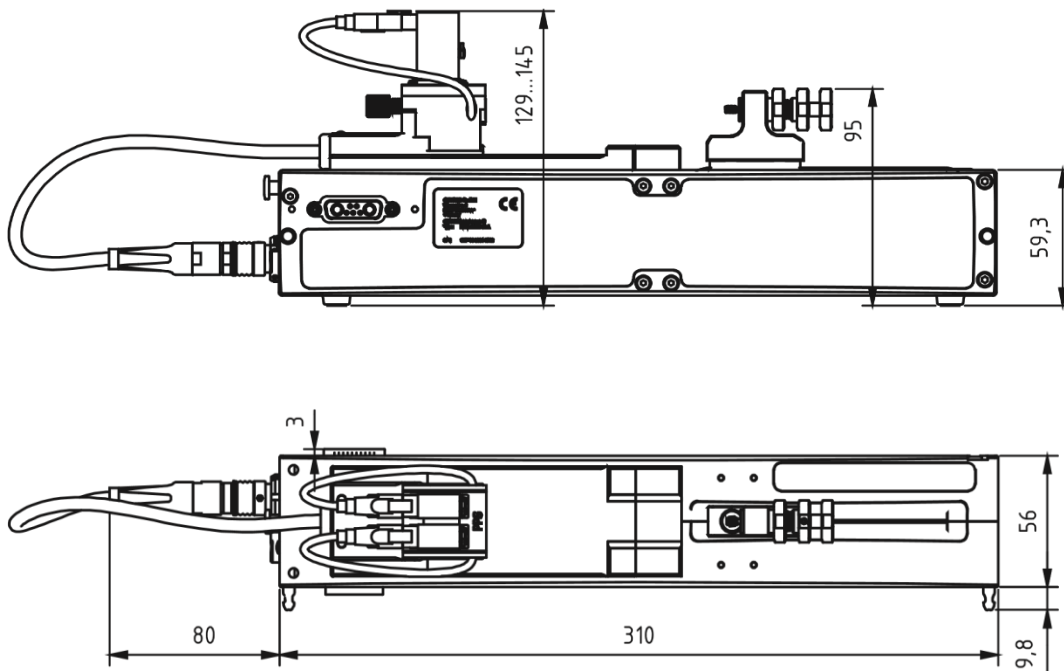
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Performance Data

Pusher velocity max.	6 mm/s
Pusher velocity min.	0,765 nm/s
Pusher travel min.	5,605 nm
Pusher force max.	400 N
Travel range max.	61 mm

Mechanical Data

Weight	2,25 kg (with valve)
Dimensions [L x W x H]	310 x 56 x 145 mm



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Electrical Data

Power supply voltage	24 V DC
Peak power consumption	9 W

Environmental Data

Operating temperature	-20 – 50 °C
Storage temperature	-40 – 75 °C
Operating humidity	10 – 90 % (non-condensing)
Storage humidity	10 – 90 % (non-condensing)

Interfaces

CAN	1 Mbit/s max.
RS232	115200 bit/s max.
USB	with USB-CAN module
I/O (for valve and pressure sensor)	12 bit