

CETONI High Pressure Module

Flow Performance

Syringe	Volume stroke [mm]	Parameter*			Pressure max.* [Bar/psi]
		Flow rate min. [nl/min]	Recommended pulse free limit [µl/min]	Flow rate max. [ml/min]	
3 ml	59,64	4,4	1,92	21,2	517 / 7497
5 ml	58,81	7,4	3,24	35,7	306 / 4435
10 ml	58,89	14,8	6,48	71,4	153 / 2221
25 ml	50,86	42,7	18,80	206,5	53 / 767
50 ml	51,91	83,6	36,70	405,0	27 / 392
100 ml	50,89	171,0	75,00	826,0	13 / 192

*The flow and pressure values shown are calculated theoretically and are only intended as guide values. The respective ambient conditions of the application (e.g. temperature, pressure, friction) and the medium itself have an influence on the minimum and maximum values that can actually be achieved.

Materials and Ports

Fluid ports	1/8" female ISO with pipe fitting for 1/16" or 1/8" tube
Wetted materials	Pressure sensor: Al ₂ O ₃ (ceramics) Syringe body: 316L steel / Hastelloy, Syringe O-ring version: PEEK, FKM / EPDM / FFKM Syringe plain seal ring version: PTFE

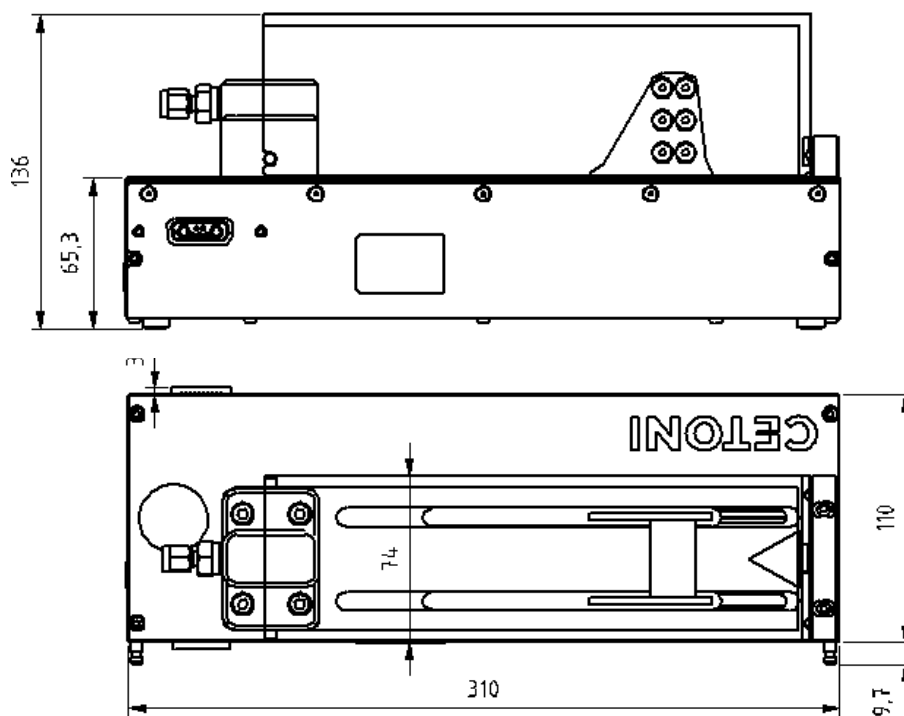
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Performance Data

Pusher velocity max.	7 mm/s
Pusher velocity min.	1,450 nm/s
Pusher travel min.	21,192 nm
Pusher force max.	2600 N
Travel range max.	61 mm

Mechanical Data

Weight	4,5 kg
Dimensions [L x W x H]	310 x 110 x 136 mm



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Environmental Data

Operating temperature	0 – 45 °C
Storage temperature	-20 – 75 °C
Operating humidity	20 – 90 % (non-condensing)
Storage humidity	20 – 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

Electrical Data

Power supply voltage	24 V DC
Peak power consumption	45 W