

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 |

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 |

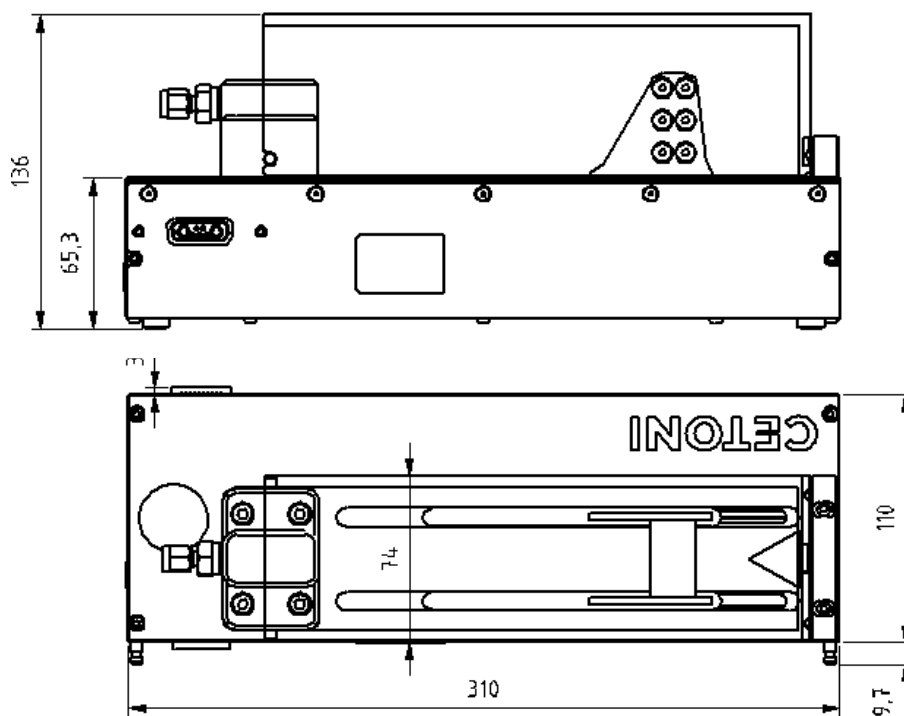
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Performance Data

| | |
|-----------------------------|------------|
| 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 |