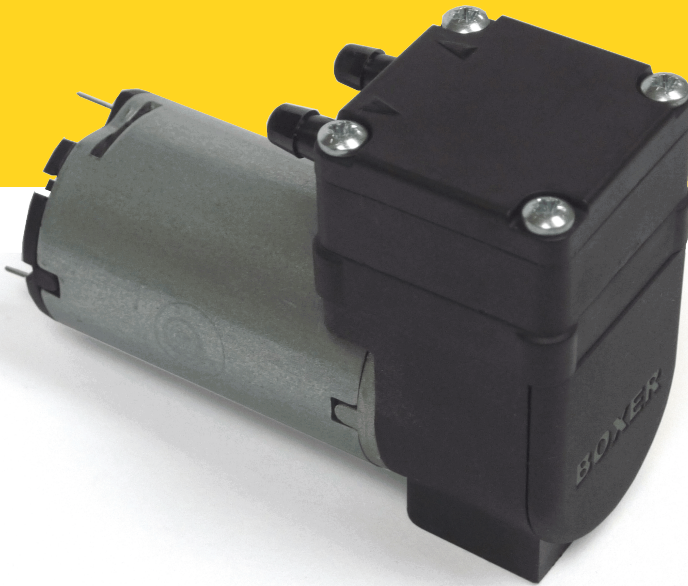


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BOXER® PUMPS

BOXER 19K
Diaphragm Pumps

Up to 1l/min liquid flow
Low ripple
Gas & Liquid pump
Dual or single head
with DC motor



- Liquid flow rate of up to 0.8l/min
- Air flow rate of up to 4l/min
- Low pulsation
- High temperature applications
- Optional back shaft encoder
- Maintenance free

The Boxer 19K is a unique miniature high performance liquid and gas pump. Pump is equipped with a damping chamber which cuts down pulsation significantly.

The use of high performance engineering plastics in the pump's construction allows it's use in high temperature applications .

Technical Data:

Liquid—Flow.....	0.8l/min @ 2300rpm - 1.2l/min @ nom. V
Optimal motor speed for best performance—liquid	2300rpm
Optimal motor speed for best performance—air	4000rpm
Gas—Flow.....	4l/min
Liquid Max vacuum/pressure.....	465mmHg/2 bar
Gas Max vacuum/pressure.....	450mmHg/1.6 bar
Motor	Permanent Magnet brushed 12V DC or 24V
Motor option.....	Brushless DC with integrated electronics
Wetted path materials.....	PPS, EPDM, Neoprene, Silicone, Nitrile, SS A2
Tube connections	Barbed fittings for IDØ2.5-Ø3.5mm tubing
Max ambient operational temperature	50°C
Max media temperature.....	100°C
Weight (brushed DC motor).....	173g

Ordering information

The pump is moulded in PPS. Internal diaphragms and valves can be offered in many material combinations. Please contact us with detailed application data and we will generate the correct part number for your application.

The liquid version is fitted as standard with a smaller eccentric than the gas version and runs slower.

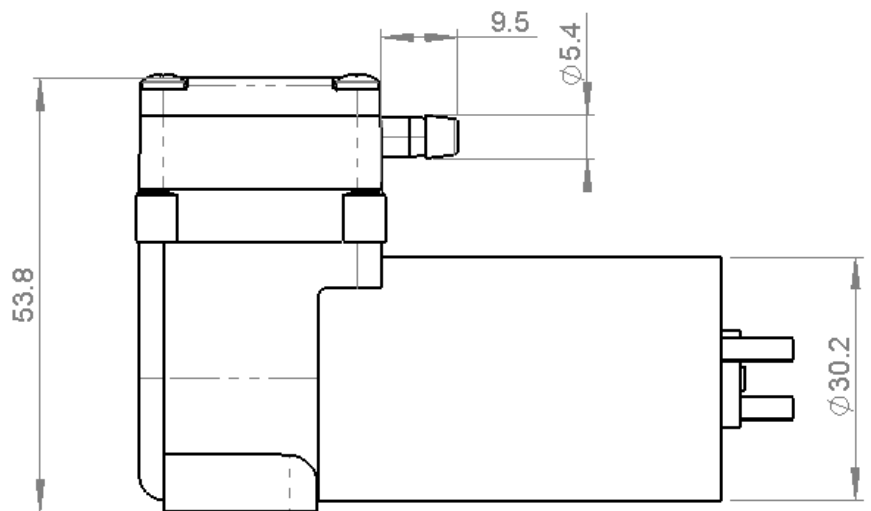
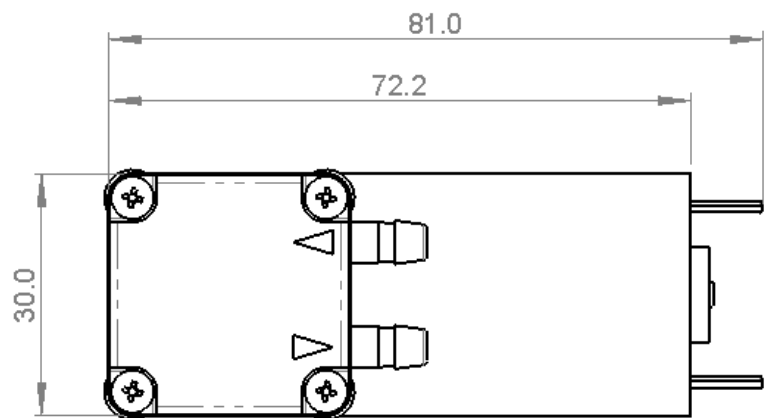
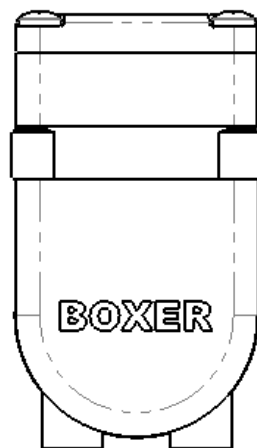
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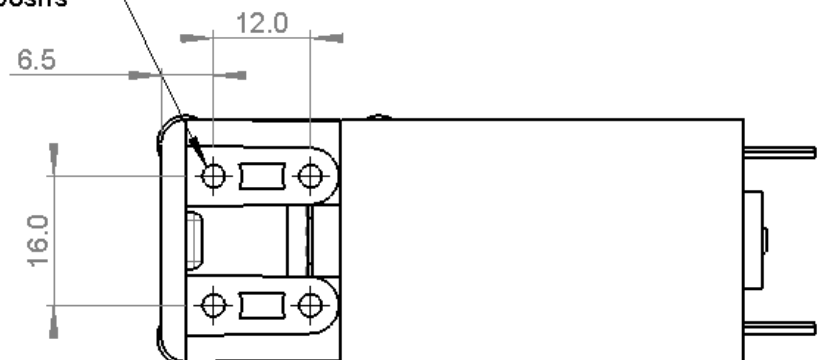
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BOXER 19K

12V/24V DC brushed motor

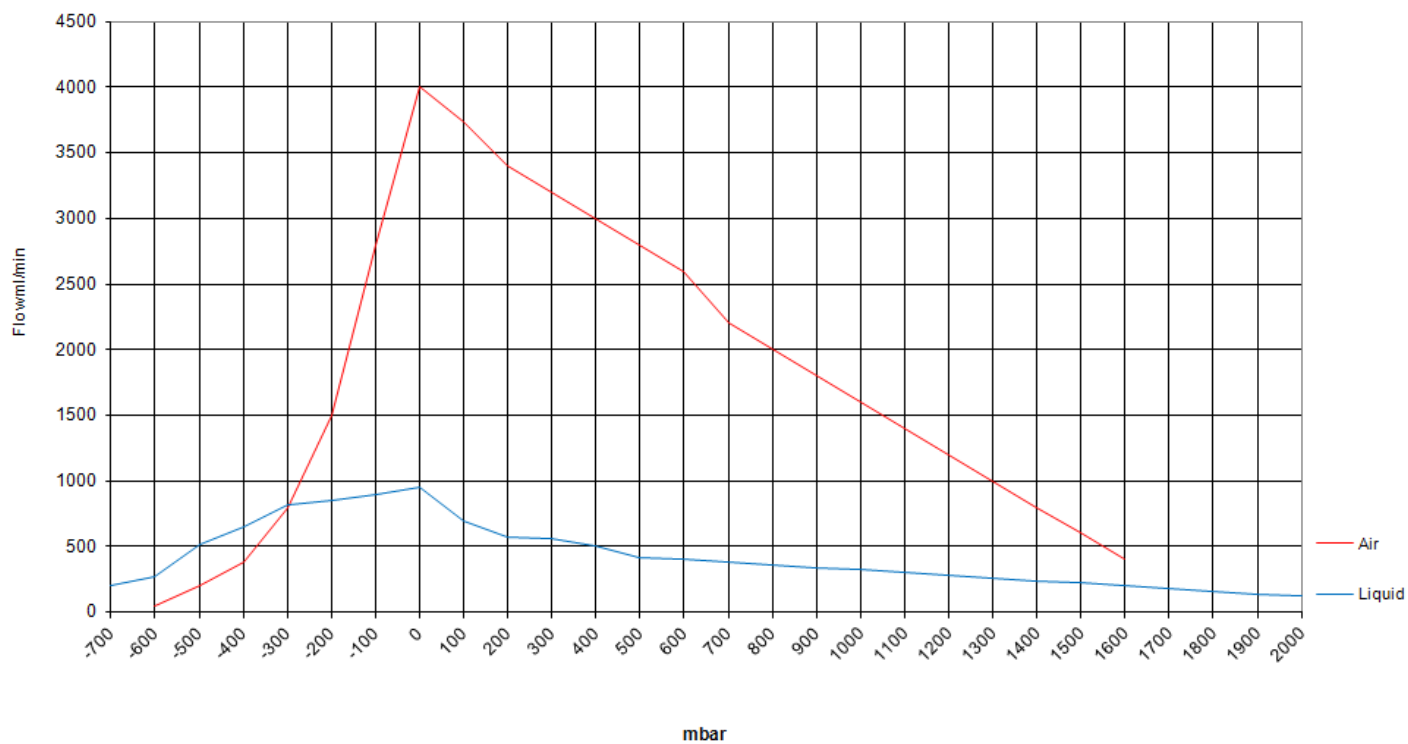


For M3 - 4 posns





19K pump with optional brushless motor for 15V to 24V operation. Electronic driver with on board speed control is available.



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Ordering codes: