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INFORMATION SHEET

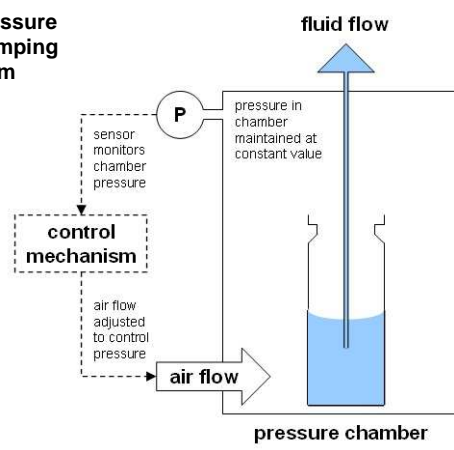
Part name	Mitos P-pump (pulseless pressure pump)	Part number	3200016
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Description

The Mitos P-pump provides pulseless liquid flow with a precise pressure driven pumping mechanism. It operates over a wide pressure range (0 – 10 bar) with excellent response time and accuracy. The design features a lockable pressure chamber for safety, which is easy to access and accommodates a wide range of fluid vessels. User control is via an intuitive twist-and-click knob and display. Pressure driven flow is ideal for microfluidic systems where highly stable flow is required in the nl/min to µl/min range for applications such as droplet formation.



Right: Pressure driven pumping mechanism



Benefits

- Pulseless pumping performance
- Fast response time
- Wide pressure range enabling use with systems of high fluidic resistance
- Accommodates a wide range of fluid vessels (standard and non-standard)
- Quick and easy to set-up and run, with intuitive control
- Works with laboratory N₂ or Ar supply, gas bottle or compressor
- Uses samples direct from your container – no mess and no waste

	p-pump specification	Value
1	Pressure range	0 – 10 bar (0 – 150 psi)
2	Pressure resolution	0.001 bar (0.01psi)
3	Pressure stability	0.1% of system pressure; min ± 0.002 bar
4	Response speed	up to 4.5 bar/sec (at 10 bar supply pressure)
5	Pressure supply connection	Quick connect port to Ø6 mm OD tube
6	Chamber dimensions	Ø30 x H 88 mm
7	Sample volume	Accepts a wide range of vials and vessels from 100 µl to 30 ml (higher on request)
8	Dip tube size	1/16" OD; 250 µm ID
9	Product size	L 239 x W 93 x H 146 mm
10	Wetted materials	User selected vessel and dip tube (e.g. glass and PTFE)

Note: Specifications are dependent on operating conditions and may be subject to change without notice.

