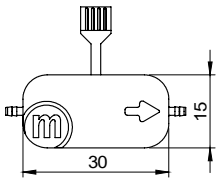
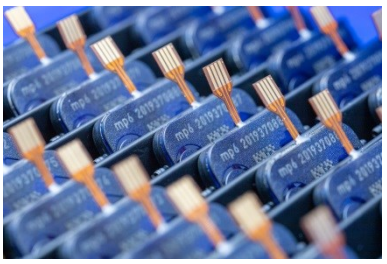
Technical Data of the mp6-liq[1, 2]

mp6-liq	Order code: mp6-liq
Pump type	piezoelectric diaphragm pump
Number of actuators	2
Dimensions without connectors	30 x 15 x 3,8 mm 1.1811 x 0.5906 x 0.1498 in.
Weight	2 g
Fluidic connectors	barbed tube clip, (outer diameter 1.9 mm, length 3.5 mm) [3]
Electric connector	flex connector 1.25 mm pitch
Power consumption	~ 50 mW [6]
Self-priming	yes [4]
Pumping media	Liquids and mixtures
Operating temperature	0–70°C
Life time	5000 h [6]
IP code	IP33 [7]
Material in contact with media	polyphenylsulfone (PPSU) [8]
Suitable pump driver	mp-x, mp6-EVA, mp6-OEM, mp6-QuadEVA, mp6-QuadOEM and mp6-QuadKEY
Typical values of flow and back pressure for selected media (values measured with mp-x: 200 Hz, 250 V, SRS):	
Liquids – water	
Controllable flow range[9] Q	8 µl/min – 14000 µl/min
typ. volume flow Q (p=0)	12 ml/min [5]
typ. back pressure p (Q=0)	800 mbar (11,6 psi) [5]





1 Typical values. Values can vary under application conditions. Content is subject to changes without notice.
2 Preliminary values, changes will occur on series prodcution
3 Recommended tubing: Tygon tubing 1.3 mm inner diameter.
4 Conditions: Suction pressure > 10 mbar, DI water, settings mp-x: 100–200 Hz, 250 V, SRS, the max. volume flow will be reached after a few minutes of operation time.
5 Conditions: DI water (25°C), room temperature 23°C, settings mp-x: 200 Hz, 250 V, SRS
6 Conditions: settings mp-x: 200 Hz, 250 V, SRS
7 Can be changed to IP44.
8 For media compatibility details please find more information in the corresponding media compatibility sheets.
9 Controllable with frequency, voltage, signal form and more. Please contact us for more information.

Please find more information concerning the controller and the equipment in the corresponding manuals.