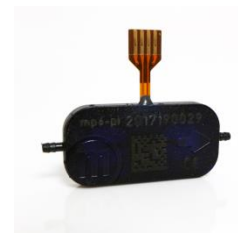
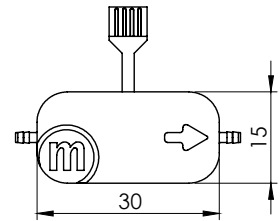


Technical Data of the mp6-pi¹

mp6-pi	Order code: mp6-pi
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) ²
Electric connector	flex connector 1.25 mm pitch
Power consumption	~ 50 mW ⁵
Self-priming	yes ³
Pumping media	Liquids and mixtures
Operating temperature	0–70°C
Life time	5000 h ⁵
IP code	IP33 ⁶
Material in contact with media	Polyimid foil (PI), polyphenylsulfone (PPSU) ⁷
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: 100 Hz, 250 V, SRS):	
Liquids – water	
min. volume flow \dot{v} (p=0)	6 ml/min ⁴
min. back pressure p ($\dot{v}=0$)	500 mbar ⁴



¹ Typical values. Values can vary under application conditions. Content is subject to changes without notice.

² Recommended tubing: Tygon tubing 1.3 mm inner diameter.

³ Conditions: Suction pressure > 10 mbar, DI water, settings mp-x: 100 Hz, 250 V, SRS, the max. volume flow will be reached after a few minutes of operation time.

⁴ Conditions: DI water (25°C), room temperature 23°C, settings mp-x: 100 Hz, 250 V, SRS

⁵ Conditions: settings mp-x: 100 Hz, 250 V, SRS

⁶ Can be changed to IP44.

⁷ For media compatibility details please find more information in the corresponding media compability sheets.

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