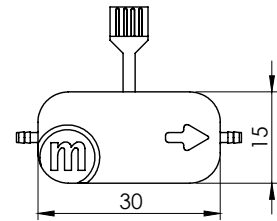


# Technical Data of the mp6-pp<sup>1</sup>

mp6-pp	Order code: mp6-pp
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 MIN 1.77 mm - MAX 1.85 mm, length 3.5 mm) <sup>2</sup>
Electric connector	flex connector 1.25 mm pitch
Power consumption	~ 50 mW <sup>4</sup>
Self-priming	yes <sup>3</sup>
Pumping media	Liquids and mixtures
Operating temperature	0 – 70°C
Life time	5000 h <sup>4</sup>
IP code	IP33 <sup>5</sup>
Material in contact with media	polypropylene (PP) <sup>7</sup>
Suitable pump driver	mp-x, mp6-EVA, mp6-OEM, mp6-QuadEVA, mp6-QuadOEM and mp6-QuadKEY
<b>Typical values of flow and back pressure for selected media (values measured with mp-x: 100 Hz, 250 V, SRS):</b>	
Liquids – water	
min. volume flow $\dot{v}$ (p=0)	4 ml/min <sup>6</sup>
min. back pressure p ( $\dot{v}=0$ )	500 mbar <sup>6</sup>



<sup>1</sup> Typical values. Values can vary under application conditions. Content is subject to changes without notice.  
<sup>2</sup> Recommended tubing: Tygon tubing 1.02 mm inner diameter. MIN & MAX values due to injection molding shrink.  
<sup>3</sup> 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.  
<sup>4</sup> Conditions: Settings mp-x: 100 Hz, 250 V, SRS signal  
<sup>5</sup> Can be changed to IP44.  
<sup>6</sup> Conditions: DI water (25°C), room temperature 23°C, settings mp-x: 100 Hz, 250 V, SRS  
<sup>7</sup> 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.