MP.CPP1.150
Circular Peristaltic Pump
For low pump rates in fluids and gases
A product of Jobst Technologies

Benefits & Characteristics

▪ Pumping of various liquids and gases
▪ Pump rates in the range 10 μl up to 150 μl/min
▪ Medium only in contact with medical grade silicone tube
▪ Small footprint
▪ Evaluation kit available that allows to control up to 4 pumps via plug & play to the USB port of a computer

Illustration

Technical Data

Dimensions (L x W x H in mm): 9.5 x 11.2 x 34.2
Weight: 3.3 g (without connector)
Flow range: 10 μl to 150 μl/min
Operation: Bi-directional
Outlet pressure: Up to 2 bar overpressure
Self-priming: < -0.9 bar
Typical current: 30 mA at 3.3V
Max. voltage: ±3.3V DC
Tube material: Silicone (ISO 10993-1, USP class 1-6)
Tube dimension: 0.5 mm (inner Ø) / 1.3 mm (outer Ø)
Lifetime typical: >170 operating hours at 3V
>1000 operating hours at 1.5V
Available connectors: JST-SH female, pin-head male or pin-head female
The pump rate of the pumps can deviate by 6% from the trend line.

Trend line:
Rate = A*Voltage + B
A = 42.1 ± 0.5
B = -11.3 ± 0.9
### Order Information

<table>
<thead>
<tr>
<th>Connector</th>
<th>Part number</th>
<th>Wire length*</th>
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</thead>
<tbody>
<tr>
<td>JST-SH female</td>
<td>MP.CPP1.150.DWBP.33.JSF.168.SI01</td>
<td>168 mm</td>
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<td>Order code</td>
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<td>Pin-head male</td>
<td>MP.CPP1.150.DWBP.33.PHM.018.SI01</td>
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<tr>
<td>Pin-head female</td>
<td>MP.CPP1.150.DWBP.33.PHF.018.SI01</td>
<td>18 mm</td>
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</tbody>
</table>

* different wire lengths upon request

### Disclaimer

*Evaluation product for professionals to be used solely for research and development purposes! Not for medical and diagnostic use. Not to be used on humans. For more information contact IST AG.*