

Additional Information

Outgoing Inspection mp6-series

Values measured

Before shipment all pumps mp6 are tested to make sure only good products leave the factory. The test includes a performance test of maximum flow rate and maximum back pressure and is carried out using the settings as follows:

Measurement conditions

Pump media: DI-Water

Temperature: room temperature 23°C

Controller: mp-x (extended micropump controller)

Electrical Input: amplitude of 250Vpp and SRS-Signal with 100 Hz

Sensors used:

Flow sensor

- Range: 0 - 10 ml/min
- Accuracy: +/- 1%FS (=0,1 ml/min)

Pressure Sensor

- Range: 0 - 1 bar
- Accuracy: +/- 0,35% (= 3,5 mbar)

Specifications mp6-liq

Pumps out of following specifications are not shipped to customers but rejected:

Flowrate [ml/min]: typ. 8
Backpressure [mbar]: typ. 500

For customers applying the mp6 for pumping gas we additionally offer to carry out an inspection with air (mp-x; 250Vpp, SRS-Signal, 300 Hz). This is specifically marked by the order code **mp6-gas**. The specifications for this inspection are:

Flowrate [ml/min]: typ. 12
Backpressure [mbar]: typ. 80



Specifications mp6-pp

Pumps out of following specifications are not shipped to customers but rejected:

Flowrate [ml/min]: typ. 4
Backpressure [mbar]: typ. 500

Other application specific outgoing inspections can be offered for all pumps upon customer demand.

Specifications mp6-pi

Pumps out of following specifications are not shipped to customers but rejected:

Flowrate [ml/min]: typ. 8
Backpressure [mbar]: typ. 500

Other application specific outgoing inspections can be offered for all pumps upon customer demand.

Measurement conditions

Pump media: DI-Water

Temperature: room temperature 23°C

Controller: mp-x (extended micropump controller)

Electrical Input: amplitude of 250Vpp and SRS-Signal with 300 Hz

Sensors used:

Flow sensor

- Range: 0 - 10 ml/min
- Accuracy: +/- 1%FS (=0,1 ml/min)

Pressure Sensor

- Range: 0 - 1 bar
- Accuracy: +/- 0,35% (= 3,5 mbar)

Specifications mp6-gas

Pumps out of following specifications are not shipped to customers but rejected:

Flowrate [ml/min]: typ. 25
Backpressure [mbar]: typ. 100

Specifications mp6-gas+

Pumps out of following specifications are not shipped to customers but rejected:

Flowrate [ml/min]: typ. 25
Backpressure [mbar]: typ. 150



All values are approximate and no guarantee of specific technical properties.

Changes in the course of technical progress are possible without notice.

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