Hei-FLOW Precision 01

P/N: 523-52010-00



Accurate dosing is particularly important in the pharmaceutical, cosmetic or food sector. Comprehensible process conditions are a prerequisite for the safe conveyance of sensitive media. This is ensured by a control accuracy of $\pm 1\%$ and precise speed adjustment (5 - 120 rpm).

In addition, an optional <u>foot switch</u> allows the pump to be operated in closed exhaust hoods. The parameters - speed, direction of rotation and on/off function - can be controlled externally either through the analog or digital interface.

In this model, you can choose between a single-channel or multichannel pump head. Flow rates vary depending on the pump head: the single-channel head has a flow rate of 0.38-813 ml/min; for the multi-channel head 0.005-364 ml/min. Depending on the focus of the process, the following parameters can be set on the device: Speed, tubing diameter, flow rate display, metering volume, interval dosing and break times. The pump can be calibrated for optimum dosing results.

Hei-FLOW Precision 01 - Technical Data

rotation start/stop Digital Interface RS 232 Flow rate indicator digital Volume dosing 0.001 - 9,999 ml Interval dosing 0.001 - 9,999 ml in breaks 0.1 sec -750 Smooth start 1 Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7) 1	Permissible ambient conditions	5 - 31 °C at 80% rel. humidity 32 - 40 °C decreasing linearly up to max. 50% rel. humidity
Supply Power 100 W Dimensions (w/h/d) 166 x 256 x 225 mm Flow rates single-channel pumps 0.38 - 813 ml/min Flow rates multi-channel pumps 0.005 - 364 ml/min Flow rate accuracy (water without counter pressure) Speed range 5 - 120 rpm Speed setting digital Electronic speed control digital Control accuracy motor ±0.5 % Select direction of rotation CW / CCW Motor power 100 W Analog interface for speed 0 - 10 V / 4 - 20 mA direction of rotation start/stop Digital Interface RS 232 Flow rate indicator digital Volume dosing 0.001 - 9,999 ml in breaks 0.1 sec -750 Smooth start 1 Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7) 1	Weight	7.7 kg
Dimensions (w/h/d) Flow rates single-channel pumps O.38 – 813 ml/min Flow rates multi-channel pumps O.005 – 364 ml/min Flow rate accuracy (water without counter pressure) Speed range Speed setting Gigital Electronic speed control Control accuracy motor Analog interface Flow rate indicator Volume dosing Interval dosing Control accuracy motor Semooth start Electronic brake Toot-pedal connection 10.001 – 9,999 ml in breaks 0.1 sec -750 Smooth start Foot-pedal connection Continuous operation (24/7) 1 1	Protection class DIN EN 60529	IP 55
Flow rates single-channel pumps Flow rates multi-channel pumps 0.005 - 364 ml/min Flow rate accuracy (water without counter pressure) Speed range 5 - 120 rpm Speed setting digital Electronic speed control Control accuracy motor \$\frac{\pmathbf{4}}{2}0.5\%\$ Select direction of rotation CW / CCW Motor power Analog interface for speed 0 - 10 V / 4 - 20 mA direction or rotation start/stop Digital Interface RS 232 Flow rate indicator Volume dosing 0.001 - 9,999 ml Interval dosing 0.001 - 9,999 ml in breaks 0.1 sec -750 Smooth start 1 Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7) 1	Supply Power	100 W
Flow rates multi-channel pumps 0.005 – 364 ml/min Flow rate accuracy (water without counter pressure) Speed range 5 - 120 rpm Speed setting digital Electronic speed control Control accuracy motor Select direction of rotation Motor power Analog interface for speed 0 - 10 V / 4 - 20 mA direction or rotation start/stop Digital Interface RS 232 Flow rate indicator Volume dosing 0.001 – 9,999 ml in breaks 0.1 sec -750 Smooth start 1 Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7) 1	Dimensions (w/h/d)	166 x 256 x 225 mm
Flow rate accuracy (water without counter pressure) Speed range Speed setting Gigital Electronic speed control Control accuracy motor Select direction of rotation Analog interface Flow rate indicator Volume dosing Interval dosing Continuous operation (24/7) Electronic brake Foot-pedal connection \$\frac{\pmathbf{\text{times}}{2} \pmathbf{\text{times}}}{2} \pmathbf{\text{times}}{2} \t	Flow rates single-channel pumps	0.38 - 813 ml/min
Speed range 5 - 120 rpm Speed setting digital Electronic speed control digital Control accuracy motor ±0.5 % Select direction of rotation CW / CCW Motor power 100 W Analog interface for speed 0 - 10 V / 4 - 20 mA direction of rotation start/stop Digital Interface RS 232 Flow rate indicator digital Volume dosing 0.001 - 9,999 ml Interval dosing 0.001 - 9,999 ml in breaks 0.1 sec -750 Smooth start 1 Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7) 1	Flow rates multi-channel pumps	0.005 – 364 ml/min
Speed setting digital Electronic speed control digital Control accuracy motor ±0.5 % Select direction of rotation CW / CCW Motor power 100 W Analog interface for speed 0 - 10 V / 4 - 20 mA direction of rotation start/stop Digital Interface RS 232 Flow rate indicator digital Volume dosing 0.001 - 9,999 ml Interval dosing 0.001 - 9,999 ml in breaks 0.1 sec -750 Smooth start 1 Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7) 1	• `	±1 %
Electronic speed control Control accuracy motor Select direction of rotation Motor power Analog interface for speed 0 - 10 V / 4 - 20 mA direction or rotation start/stop Digital Interface RS 232 Flow rate indicator Volume dosing 0.001 - 9,999 ml Interval dosing 0.001 - 9,999 ml in breaks 0.1 sec -750 Smooth start 1 Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7) 1	Speed range	5 - 120 rpm
Control accuracy motor ±0.5 % Select direction of rotation CW / CCW Motor power 100 W Analog interface for speed 0 - 10 V / 4 - 20 mA direction of rotation start/stop Digital Interface RS 232 Flow rate indicator digital Volume dosing 0.001 - 9,999 ml Interval dosing 0.001 - 9,999 ml in breaks 0.1 sec -750 Smooth start 1 Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7) 1	Speed setting	digital
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Motor power Analog interface for speed 0 - 10 V / 4 - 20 mA direction of rotation start/stop Digital Interface RS 232 Flow rate indicator Volume dosing 0.001 - 9,999 ml Interval dosing 0.001 - 9,999 ml in breaks 0.1 sec -750 Smooth start 1 Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7)	Control accuracy motor	±0.5 %
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rotation start/stop Digital Interface RS 232 Flow rate indicator digital Volume dosing 0.001 - 9,999 ml Interval dosing 0.001 - 9,999 ml in breaks 0.1 sec -750 Smooth start 1 Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7) 1	Motor power	100 W
Flow rate indicator Volume dosing 0.001 – 9,999 ml Interval dosing 0.001 – 9,999 ml in breaks 0.1 sec -750 Smooth start 1 Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7)	Analog interface	for speed 0 - 10 V / 4 - 20 mA direction of rotation start/stop
Volume dosing 0.001 – 9,999 ml Interval dosing 0.001 – 9,999 ml in breaks 0.1 sec -750 Smooth start 1 Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7) 1	Digital Interface	RS 232
Interval dosing 0.001 – 9,999 ml in breaks 0.1 sec -750 Smooth start 1 Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7) 1	Flow rate indicator	digital
Smooth start 1 Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7) 1	Volume dosing	0.001 – 9,999 ml
Electronic brake 1 Foot-pedal connection 1 Continuous operation (24/7) 1	Interval dosing	0.001 – 9,999 ml in breaks 0.1 sec -750 h
Foot-pedal connection 1 Continuous operation (24/7) 1	Smooth start	1
Continuous operation (24/7) 1	Electronic brake	1
	Foot-pedal connection	1
Safety feature electronic current limiter and overheat	Continuous operation (24/7)	1
protection	Safety feature	electronic current limiter and overheat protection



Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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