

Liquid Pumps, Heidolph

Peristaltic pumps Hei-FLOW series – precise dosing and dispensing

General advantages

- Safety for continuous unattended operation: the motor will be switched off if a high thermal load situation occurs to preventatively avoid accidents
- High precision, even for flow rates starting at 0.005 ml/min
- When used with the optional remote control, the pump can be operated behind closed extraction hoods for simplification of filling processes
- For the use in cell biology just use a pump head which features convex rollers and does not squeeze the tubing as conventional rollers
- All models feature a smooth start operation which prevents spills and splashing media. The speed will ramp up slowly until your set rpm has been reached

Hei-FLOW Value 01 / Hei-FLOW Value 06

For standard applications and liquid transfer

- At the press of a button the pump operates clockwise or counterclockwise
- Adjust the variable speed on the analog control knob from 10 – 600 rpm. Your speed is held constant even under changing loads
- This model features electronic speed control at an accuracy of $\pm 2\%$

Hei-FLOW Value 01

- Flow rates of 0.65 – 861 ml/min with single-channel pump heads
- Low speed range from 10 – 120 rpm
- This pump drive is suitable for multi-channel operation
- Multi-channel flow rates from 0.005 – 364 ml/min
- Upgrade your Hei-FLOW Value 01 for multi-channel operation in just minutes with a pump head adaptor: P/N 523-50013-00

Hei-FLOW Value 06

- Flow rates of 3.0 – 4,151 ml/min with single-channel pump heads
- High speed range from 50 – 600 rpm
- This pump drive is not suitable for multi-channel operation

Type	Flow rate single channel pump ml/min	Flow rate multi-channel pump ml/min	Order No.
① Hei-FLOW Value 01	0.85-861	0.005-364	58 41 50010
② Hei-FLOW Value 06	4.0-4151	not recommended	58 41 50060

Hei-FLOW Advantage 01 / Hei-FLOW Advantage 06 – For reproducible results and liquid transfer

- Control the speed (rpm) in a clockwise or counterclockwise direction and On/Off via analog interface for 0–10 V or 4–20 mA
- Adjust the variable speed on the analog control knob from 5.0 – 600 rpm. Your speed is held constant even under changing loads
- This model features electronic speed control at an accuracy of $\pm 0.5\%$
- This model connects to an optional foot pedal remote control via cable to start and stop your pump drive outside a closed fume hood increasing your personal safety or ease of use in multiple sample fills
- At the press of a button the pump operates clockwise or counterclockwise
- A press of the max button accelerates the filling and draining of your tubing

Hei-FLOW Advantage 01

- Flow rates of 0.38 – 813 ml/min with single-channel pump heads
- Low speed range from 5 – 120 rpm
- This pump drive is suitable for multi-channel operation
- Multi-channel flow rates from 0.005 – 329 ml/min
- Upgrade your Hei-FLOW Advantage 01 for multi-channel operation in just minutes with a pump head adaptor: P/N 523-51013-00

Hei-FLOW Advantage 06

- Flow rates of 2.0 – 4,056 ml/min with single-channel pump heads
- High speed range from 24 – 600 rpm
- This pump drive is not suitable for multi-channel operation

Type	Flow rate single channel pump ml/min	Flow rate multi-channel pump ml/min	Order No.
③ Hei-FLOW Advantage 01	0.38-813	0.005-329	10 41 51010
④ Hei-FLOW Advantage 06	2.0-4056	not recommended	10 41 51060



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Hei-FLOW Precision 01 / Hei-FLOW Precision 06

Reproducibility for pumping and dosing

- Control the speed (rpm) in clockwise or counterclockwise direction and On/Off via analog interface for 0 – 10 V, 4 – 20 mA or digital RS 232 interface
- Flow characteristic of pump heads in combination with various tubing diameters is pre-programmed for accurate flow rate numbers
- Digital read-out of:
Speed (rpm), Tubing diameter, Flow rate in ml/min, Dosing volume, Interval dosing, Pause function
- Easily change all process parameters via these buttons
- This model connects to an optional foot pedal remote control via cable to start and stop your pump drive outside a closed fume hood increasing your personal safety or easy use in multiple sample fills
- This model feature electronic speed control and an accuracy of $\pm 0.5\%$
- A press of the max button accelerates the filling and draining of your tube
- At the press of a button the pump operates clockwise or counterclockwise
- Calibrate your flow volume and flow rate individually

Hei-FLOW Precision 01

- Flow rates of 0.36 – 813 ml/min with single-channel pump heads
- Low speed range from 5 – 120 rpm
- This pump drive is suitable for multi-channel operation
- Multi-channel flow rates from 0.005 – 329 ml/min
- Upgrade your Hei-FLOW Precision 01 for multi-channel operation in just minutes with a pump head adaptor: P/N 523-52013-00

Hei-FLOW Precision 06

- Flow rates of 2.0 – 4,056 ml/min with single-channel pump heads
- High speed range from 24 – 600 rpm
- This pump drive is not suitable for multi-channel operation

Type	Flow rate single channel pump ml/min	Flow rate multi-channel pump ml/min	Order No.
⑤ Hei-FLOW Precision 01	0.36-813	0.005-329	58 41 52010
Hei-FLOW Precision 06	2.0-4056	not recommended	58 41 52060

Single channel pump heads

SP quick

- Fast and convenient tube changes
- Low pulsation due to 5 roller system
- Pump head feature ball gearings
- Rollers made of stainless steel
- For tubes with a 1.6 mm or 2.5 mm wall thickness (wt)
- Depending on drive and tubing, the flow rate ranges from 0.38 to 3,436 ml per minute

SP standard

- Recommended for standard applications
- Convex rollers do not squeeze or crush organic cell cultures
- Pump heads features ball bearings
- Rollers made of stainless steel and polyamide
- For tubes with a 1.6 mm or 2.5 mm wall thickness (wt)
- Depending on drive and tubing, the flow rate ranges from 2.0 to 4,151 ml per minute

SP vario

- Suitable for most Heidolph tubing due to adjustable roller spacing
- Convex rollers do not squeeze or crush organic cell cultures
- Pump head features ball bearings
- Rollers made of stainless steel and aluminium
- Depending on drive and tubing, the flow rate ranges from 2.0 to 4,151 ml per minute

Type	Qty rollers	Flow rate ml/min	Order No.
⑥ SP quick 1.6	5 (low-pulsations)	0.38-2072	58 41 11100
SP quick 2.5	5 (low-pulsations)	12-3436	58 41 11300
⑦ SP standard 1.6	2	2.0-4151	58 41 43010
SP standard 2.5	2	15-3821	58 41 43030
⑧ SP vario	2	2.0-4151	58 41 45110



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