# Hei-FLOW Ultimate 600

P/N: 523-52060-00




The ability to switch between precise dosing and fast conveying make this pump model the perfect complement to a reactor system. With a flow rate of 2.0 - 4,056 ml / min, when operated with single-channel pump heads, flows from feed-batch and chemostat modes of operation can be conveyed precisely. Rapid filling and emptying of the reactor system is also possible.

In addition to the selectable process parameters - speed, tubing diameter, flow quantity display, dosing volume, interval dosing and break times - the pump conveying characteristics are stored in the program. Thanks to the analogue and digital (RS 232) interfaces, processes can be automated.

All media is conveyed with a control accuracy of ±0.5% at a speed of 24 — 600 rpm. An optional foot switch can be connected for dosing by foot pressure.

# Hei-FLOW Ultimate 600 - Technical Data

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| Permissible ambient conditions | 5 - 31 °C at 80% rel. humidity 32 - 40 °C decreasing linearly up to max. 50% rel. humidity |
| Weight | 7.3 kg |
| Protection class (EN 60529) | IP 54 |
| Supply Power | 100 W |
| Dimensions (w/d/h) | 166 x 256 x 225 mm |
| Flow rates single-channel pumps | 2.0 – 4,056 ml/min |
| Flow rates multi-channel pumps | - |
| Flow rate accuracy (water without counter pressure) | ±2 % |
| Speed range | 24 - 600 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 h |
| Smooth start | yes |
| Electronic brake | yes |
| Foot-pedal connection | yes |
| Continuous operation (24/7) | yes |
| Safety feature | electronic current limiter and overheat protection |