

## 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  $\pm 2\%$  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

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 IEC 60529	IP 55
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

