

Hei-FLOW Expert 120

P/N: 523-51010-00



The pump drive of the model 120 of the Hei-FLOW Expert series can be operated with either single-channel or multi-channel pump heads. The flow rates with single-channel pump heads are in the range of 0.38 – 813 ml/min; with multi-channel pump heads from 0.005 – 329 ml/min.

By integrating an analog interface, it is possible to control all functions externally. In addition, an optional [foot switch](#) can be adapted to enable dosing by foot pressure. Hands thus remain free to perform other work, for example, to hold the tubing and the vessel.

A speed of 5 – 120 rpm with a control accuracy of $\pm 3.5\%$ guarantees optimum process results.

Hei-FLOW Expert 120 - Technical Data

Permissible ambient conditions	5 - 31 °C at 80% rel. humidity 32 - 40 °C decreasing linearly up to max. 50% rel. humidity
Weight	7.6 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	0.38 – 813 ml/min
Flow rates multi-channel pumps	0.005 – 329 ml/min
Flow rate accuracy (water without counter pressure)	±3.5 %
Speed range	5 - 120 rpm
Speed setting	scale
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	-
Flow rate indicator	-
Volume dosing	-
Interval dosing	-
Smooth start	-
Electronic brake	-
Foot-pedal connection	yes
Continuous operation (24/7)	yes
Safety feature	electronic current limiter and overheat protection

