# Hei-FLOW Expert 120

P/N: 036150050

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 ±0.5% guarantees optimum process results.

# Hei-FLOW Expert 120 - 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 | 7.6 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 | 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 |