

Hei-FLOW Expert 120 Multi

P/N: 523-51013-00



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 Multi - 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 |

