

MCP *Standard*

Multi-purpose

Saves individual application parameters!

- Robust, powerful drive
- Ideal for dispensing and filling



MCP *Standard* drive
(pump-heads on Pages 20–25)

Interfaces



PC-controllable:
– RS232



- Speed control
(0–5 or 0–10V, 0–20 or 4–20mA)
- Speed output
(0–10 V_{DC} or 0–7.2 kHz)
- Start/Stop, Rotation direction,
Autostart

MCP *Standard*

- Pre-programmed tube sizes and pump-heads allow you to work with flow rates
- Membrane key-pad, LED display
- 4 program memories for saving individual application parameters
- More than 20 pump-heads available
- Bayonet coupling system enables a system change without tools

Flow rates, channels, rollers and differential pressure depend on the pump-head mounted (see Pages 20 to 25)



Dispensing and calibrating
function see Page 5

Specifications

Motor type	DC motor
Speed	1 – 240 rpm
Speed setting	rpm, resolution 0.1 rpm
Flow rate setting	µl/min, ml/min, l/min
Power consumption	100 W
Mains connections	230V _{AC} /50Hz, 115V _{AC} /60Hz adjustable
Protection rating	IP 30
Depth/Width/Height	220 x 155 x 260 mm (without pump-head)
Weight	6.4 kg (without pump-head)

Ordering information

The complete pump system MCP *Standard* consists of:

Drive	ISM 404
Pump-head	Pages 20 to 25
Tubing	Pages 30 to 39
Accessories	Page 61
Foot switch	IS 10039

Applications

With pump-head 360

Filling of pharmaceutical solutions at small production scale (500 to 1000 units) in syrup bottles. Controlled via foot switch.

With PTFE-Tubing pump-head

Used as “trickle funnel”, time-controlled addition of organic solvents during synthesis (small scale pilot plant)