

MCP Process

Programmable

Programs can be carried out on the spot independently of a PC!

Protection rating of IP 65

- Extremely robust drive, suitable for industries
- Ideal for dispensing and filling applications in a dusty, humid or corrosive environment, and in clean room areas (IP 65, dust-tight and protected against water jets)



CE

MCP Process drive
(pump-heads on Pages 20 to 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
- 2 universal inputs
- 2 universal outputs

MCP Process

- Pre-programmed tube sizes and pump-heads allow you to work with flow rates
 - Stainless steel housing, membrane key-pad, LED display
 - 4 program memories for saving individual application parameters or PC programmed command sequences
 - 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)



Get your free plugin for ProgEdit
(German/English switchable)
see Page 61



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 connection	100–230 V _{AC} / 50 – 60 Hz
Protection rating	IP 65
Depth/Width/Height	220 x 155 x 260 mm (without pump-head)
Weight	6.9 kg (without pump-head)

Ordering information

The complete pump system MCP Process consists of:

Drive	ISM 915
Pump-head	Pages 20 to 25
Tubing	Pages 30 to 39
Accessories	Page 61
Software ProgEdit	free
Foot switch	IS 10039

LabVIEW driver
download for free: www.ismatec.com

Applications

With pump-head Pro 381 and pressure sensor

Pressure controlled sterile filtration of human plasma through a filter plate 0.2 µm. Constant monitoring is no longer necessary thanks to an optical alarm if pre-set pressure is exceeded.

With pump-head MS/CA 4-12 and switching valves

Stabilizing of an electrophysiological test system with Ringer solution and switching to the test solutions without delay at very low flow rates.