

THOMAFLUID®-Precision Micro Double-Piston Pump

Application area

- Pressure conveyance and metering of all kinds of liquid media in the areas of chemical laboratory and analytical technology, especially low-pressure chromatography, chemical nuclear technology and radiochemistry, biotechnology, semiconductor research, pharma development and pharma production, medical engineering and chemical apparatus construction.

Product specification

- Precision double-piston pumps with complex Abbé-kinematics and micro-processor controlled stepping motor drive for extremely linear and pressure-independent delivery also of very small quantities.
- Remote control via interface (V 24 and RS 232 resp.).
- Inert design, medium-contacting parts made of glass, PTFE, and fluoropolymer PCTFE, gaskets made of epoxy (EP), FPM, and silicone, chemically sterilizable. Digital LED-display of flow and pressure; three application-oriented versions for delivery rates of 1 to 200 ml/h and 0.1 to 999 ml/h resp.

Technical specification

- **Temperature range:** 0 to +60 °C
- **Reproducibility:** 0.1%
- **Accuracy of delivery:** 0.15%
- **Max. counterpressure at:**
200 ml/h: 50 bar
500 ml/h: 50 bar (not PDP 3003)
750 ml/h: 30 bar (not PDP 3003)
999 ml/h: 20 bar (not PDP 3003)
- **Autom. delivery compensation at valve change-over:** only PDP 3005
- **Pressure monitoring:** PDP 3004 and PDP 3005 (adjustable upper and lower limits)
- **Interface:** PDP 3004 and PDP 3005
- **Electrical connection:** 220 - 240 V / 50 Hz, 40 VA
- **Dimensions:** 450 x 160 x 230 mm



Item	Design	Delivery rate ml/h	Weight kg	Unit piece	Price EURO
49906	PDP3003	1 - 200	10	1	10,920.00
49907	PDP3004	0.1 - 999	10	1	12,820.00
49908	PDP3005	0.1 - 999	12	1	16,760.00