

Dual Diaphragm Dosing Pump DP-177/2



The Dual Diaphragm Dosing Pump DP-177/2 is designed for

- 2 independent medium flows
- Edge cleaning with solvents for CD-R, CDR-DVD-R and DVD-RW.
- Application of protective lacquer or photo resist.
- Any other application according to the pump specs.

The precision of this pump is 0.1 ml.

Main features of the Dual Diaphragm Dosing Pump DP-177/2

- Two pumps in one unit saving space.
- The pump handles a wide range of media viscosities.
- Controlled by time and pressure.
- Different medium and pressure can be established on the two flows.
- All parts in contact with the medium are made of highly resistant materials.
- Easy disconnection of the pump from the drive for cleaning.

Media and pump properties of the Dual Diaphragm Dosing Pump DP-177/2

Property	Nominal value	Tolerance / specification
Dosing amount	0.1 ... 12 ml	±0.1 ml depending on timer
Viscosity	10 ... 300 cps	
Temperature	+4 ... +60 °C	
Medium pressure created by pump	< 0.2 bar	depending on tube length and viscosity
Maximum flow of medium	4 ml/sec	depending on tube length and viscosity

Materials in contact with the medium in the Dual Diaphragm Dosing Pump DP-177/2

Part	Material	
Pump membrane	PTFE-IIR compound	Bucar ®
O-ring sealings	EDPM	optional: FFPM
Metal parts	Stainless steel	SU 316 (ISO 1.4435)

Physical properties and environment of the Dual Diaphragm Dosing Pump DP-177/2

Property	Nominal value	Specification
Length / width / height	110 / 120 / 120 mm	
Weight	6.8 kg	
Ambient temperature for drive	+4 ... +60 °C	
Compressed air for pneumatic functions	0.5 - 4.5 bar	
Medium intake and outlet	R 1/4" thread	Outlet has conical thread (NPT)
Average lifetime	30 • 10 ⁶ pumping cycles	