

Dual Diaphragm Dosing Pump DP-177



The Dual Diaphragm Dosing Pump DP-177 is designed for

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

Two pumps in one unit saving space.

The pump handles a wide range of media viscosities.

Controlled by time and pressure.

Different medium pressure can be established on the two outlets.

One intake allows for central medium supply.

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

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

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

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	
Liquid intake and outlet	R 1/4" thread	Outlet has conical thread (NPT)
Average lifetime	30 • 10 ⁶ pumping cycles	