

Micro Dosing Valve MDV-200



The micro dosing valve MDV-200 is designed for
volume controlled dosing
all kinds of low to medium viscosity fluids.

Main features of the micro dosing valve MDV-200

Compact size, low weight
Low to medium viscosity
All parts in contact with medium highly resistant
Easy disconnection for cleaning

General properties of the micro dosing valve MDV-200

Property	Nominal value	Specification
Dosing amount	1 ... 200 µl (0.001 ... 0.2 ml)	
Viscosity	10 ... 100 cps	
Medium pressure created by pump	2 bar	
Maximum medium flow	1 ml/sec	depending on pressure and viscosity
Maximum cycle rate	5 cycles/sec	at 0.2 ml

Materials in contact with the medium in the micro dosing valve MDV-200

Part	Material	
O-ring sealings	Viton	Optional EPDM or Kalrez ®
Metal parts	Stainless steel	SU 316 (ISO 1.4435)

Physical properties and environment of the micro dosing valve MDV-200

Property	Nominal value	Specification
Length / width / height	170 / 36 / 75 mm	Height including fittings
Weight	0.8 kg	
Ambient temperature for drive	+4 ... +60 °C	
Valve control	24 VDC / 36 W	