

Membrane Dosing Valve DV-257



The membrane dosing valve DV-257 is designed for

Bubble free flow control
all kinds of low to medium viscosity fluids.

Main features of the membrane dosing valve DV-257

Compact size, low weight
Low to medium viscosity
All parts in contact with medium highly resistant
Easy cleaning without valve demounting
Unique low valve control pressure
Flexible adaptation to different tip sizes or dispensing tubes

General properties of the membrane dosing valve DV-257

Property	Nominal value	Specification
Dosing amount	depends on fluid pressure, open time, fluid viscosity, flow adjustment and tip size	
Viscosity	1 ... 800 cps	
Medium pressure created by pump	0.1 ... 4 bar	
Maximum cycle rate	5 cycles/sec	

Materials in contact with the medium in the membrane dosing valve DV-257

Part	Material	
Membrane	UHMV polyethylene	
Metal parts	Stainless steel	SU 316 (ISO 1.4435), optional POM, UHMV, PP

Physical properties and environment of the membrane dosing valve DV-257

Property	Nominal value	Specification
Cross section dimension	2.5 mm	optional 3 mm
Weight	0.2 kg	
Ambient temperature for drive	+4 ... +60 °C	
Valve control	Compressed air 2 ... 5 bar	