

NEEDLE VALVES AND CONTROLLER

Needle Valve

Needle Valve can be used for a wide range of material; from low to high viscosity fluid such as light-curable adhesives, solvents, inks, lubricants, grease and silicone oils. This needle valve offers extreme accuracy, whether dispensing beads or shots, and is easily integrated into high-volume automation.



Specifications

	Needle Valve
Model No.	NV200
Valve type	Needle
Operating air pressure	4 Bar to 6 Bar
Fluid delivery pressure	Max 7.0 Bar
Minimum shot size	Ø 0.3 mm
Driving part materials	
Cylinder body	Aluminium
Cap	Aluminium
Piston	SUS304 Stainless Steel
Check body	Stainless Steel
Wetted part materials	
Chamber	Stainless Steel
Seals	Teflon
Connecting ports	
Operating air inputs	M5 thread with push-in fitting for 6mm OD tube
Material inlet	1/8 NPT
Material outlet	White Nylon Luer Lock Adaptor 1/4-28 UNF
Weight	316g

Digital Valve Controller DD2000VC

The DD2000VC is specifically designed to be used with single or double acting valves. Both valve and syringe can be connected to the DD2000VC's output. Only one air input is required, resulting in a neat workstation.

Features

Bright LCD

100 Memory locations to automatically cycle 10 self-taught programs

Auto cycling mode allows sequencing of a self-taught program control operation of valve continuously

Manual mode allows user to control precise ON/OFF timing of double acting valve

Auto mode allows user to pre-set ON/OFF timing for control of double acting valve

Convenient operation via foot pedal or front panel button

Additional adjustable air pressure for constant supply to syringe

Digital display of precise pressure control

Specifications

Size	130 X 180 X 140mm
Dispense Time	0.005 - 999.999 sec
Operation Modes	Manual, Auto, Cycle
Internal Memory	100 Memory Locations
Power	120/220VAC
Air Input	5 - 7 Bar, 70 - 100 PSI
Air Output	0.1 - 7 Bar, 1 - 100 PSI