



DAV TECH SRL

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DA1000V VOLUMETRIC MANUAL DISPENSING SYSTEM

Volumetric system to dispense micro to nano quantity of fluids from syringes with the highest accuracy.

The system dispense the fluid from the desired size syringe pushing a piston moved by an advanced and accurate linear actuator.



FIELDS OF APPLICATION

- > Volumetric dispensing of soldering paste
- > Volumetric dispensing of freezed 2K mixed fluids
- > Volumetric dispensing of low to high viscosity fluids in micro-quantity

FEATURES

- > No need air pressure compensation due to applying full electronic control way.
- > Easy to control for various dispensing condition by applying all digital type & multi function controller.
- > Possible use of 3cc, 5cc, 10cc and 30cc syringes
- > Simple design & easy to exchange the barrel by applying advanced design as magnetic technology.
- > Compact design for applying to automatic inline machine with high speed dispensing application. (MAX. 0.2ms/step)

Technical Data

Barrel Size	3cc	5cc	10cc	30cc
Weight (g)	118			300
Viscosity (cPs)	1~500.000			
Screw Pitch (mm)	0.8	0.8	1.0	1.25
Displacement Step (mm/step)	0.0001		0.0001	0.0003
Section of the barrel (mm ²)	70.88	124.69	196.07	401.15
Volume by step (cc)	0.0000073	0.0000128	0.0000250	0.000138

Controller NPC-10

Dimensions	150x80x110
Weight (g)	932
Power	DC 9V/2A
Mode	Time, steady, sequence, interval
Display	3.5" Touch screen
Interface	RS485 (MODBUS)
Input signal	Contact Input
Output signal	NPN Open Connector



Connection diagram

