

DISPENSING NEEDLE VALVE DA 400 EV

The needle valve **DA 400 EV** is designed to dispense in a controlled, precise and repeatable way, fluids with medium to high viscosity.

The valve has the feature to be customized with nozzles with various shapes and sizes, available in the catalog.

The solenoid valve, mounted directly on board, allows high precision in the deposition, and makes it ideal to be integrated on automated systems, such robots, SCARA and Cartesian arms.



DAV TECH SRL

Via Ravizza, 30
36075 Montecchio Maggiore (VI) - ITALY
Tel. 0039 0444 574510
Fax 0039 0444 574324

davtech@davtech.it
www.davtech.it

FIELDS OF APPLICATION:

- > **Silicone dispensing**
- > **Grease dispensing**
- > **Resin dispensing**
- > **Medium to high viscosity fluids dispensing**

FEATURES:

- > Fine adjustment of the flow rate (optional)
- > Solenoid Valve 5/2 mounted on board to have an instantaneous start / stop
- > Easy maintenance and cleaning of the valve
- > TCT needle and nozzle in stainless steel for long life
- > Surface coating with Teflon to make the valve easy to clean the inside and improve the flow of the highest viscosity fluids
- > Divorced construction, the pneumatic part is separated from the passage of the fluid.

Technical Data

Model	DA 400 EV
Operation mode	Double Acting
Weight	310 g
Max fluid pressure	80 bar
Actuating air pressure	6 - 7 bar
Air inlet thread	M5
Fluid inlet thread	1/8 BSP
Outlet Thread	Threaded nozzles, luer lock thread, steel nozzles of various shapes and sizes
Speed	Up to 300 cycles / min
Adjusting the passage	With micrometric screw or with screw and nut
Used Materials	Stainless steel, TCT, nickel plated brass and Teflon
Fluids to be used	Silicones, liquid gaskets, greases, resins, various medium-high viscosity

NOZZLES FOR DA 400 EV DISPENSING VALVE

The valve DA 400 EV presents a very high number of nozzles available as standard. Nozzles with thread 1/8 BSP male, luer lock, nozzles complete with various shapes and diameters from 0.3 to 1.5 mm. If necessary, we can design and create multi-point terminals, with radial outlets, inclined etc.

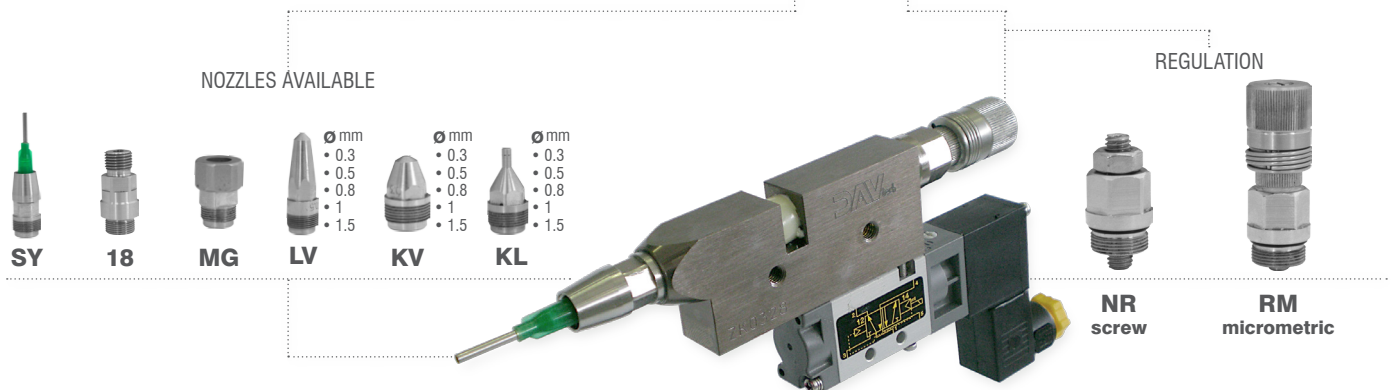


DRIVE VALVE DA 400 EV

The valve has a 5/2 solenoid valve mounted directly on board, and it is therefore sufficient to feed the power supply (24V) to the solenoid (which is always kept fed pneumatically to 6-7 bar) for controlling the dispensing.

Valve configurations

DA 400 EV



Connection diagram

