

DISPENSING NEEDLE VALVE DA 400

The needle valve **DA 400** is designed to dispense in a controlled, precise and repeatable way, fluids with medium-high viscosity. The valve has the feature to be customized with nozzles various with shapes and sizes, available in the catalog. Extremely reliable and robust is ideal for the most demanding applications, while its maintenance is simple and economical.



DAV TECH SRL

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FIELDS OF APPLICATION:

- > **Silicone dispensing**
- > **Grease dispensing**
- > **Resin dispensing**
- > **High viscosity fluids dispensing**

FEATURES:

- > Fine adjustment of the flow rate (optional)
- > Driving is possible both in single or double acting (spring security inside)
- > Easy maintenance and cleaning of the valve
- > TCT needle and stainless steel nozzle for long life
- > Treatment of Teflon surface to make it easy to clean the inside and improve the flow of high viscosity products
- > Divorced construction, the pneumatic side is separated from the passage of the product.

Technical Data

Model	DA 400
Drive	Simple or Double Acting
Weight	260 g
Max fluid pressure	80 bar (command double acting)
Actuating air pressure	5 - 7 bar
Air inlet thread	M5
Fluid inlet thread	1/8 BSP
Fluid outlet	Nozzle gas threaded, luer lock, steel nozzles of various shapes and sizes availables
Speed	Up to 200 cycles / min
Adjusting the passage	Micrometric or with screw and nut
Materials used	Stainless steel ,TCT, nickel plated brass and Teflon
Fluids to be dispensed	Silicones, liquid gaskets, greases, resins, various medium-high viscosity

NOZZLES FOR DA 400 DISPENSING VALVE

The valve DA 400 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 THE VALVE DA 400

The valve DA 400 have to be driven by solenoid 5/2 or 3/2 (depending on whether you want to work double-acting or simple acting) for a time setted by the PLC of the customer. We are available for the supply of timing systems such as the DA 1000 T controller or even with the creation of electrical control panels to manage the various I / O you need to check.

Valve configurations

DA 400



Connection diagram

