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.

**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.

**FIELDS OF APPLICATION:**

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

**Technical Data**

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

NOZZLES AVAILABLE

SY 18 MG LV KV KL

REGULATION

NR screw RM micrometric

Connection diagram

PLC

S.V. 5/2
ALSO POSSIBLE SIMPLE ACTING

PRESSURE STABILIZATOR

PNEUMATIC PUMP

We reserve the right to modify at any time, without notice, the specifications, dimensions and weights in this datasheet. The illustrations are not binding.