The spray valve **DAS 50** and **DAS 50N** are designed to dispense radially without contact fluids such as oils, lubricants, primers etc. inside cylinders, holes, chambers etc. The special construction prevent leaking and avoid formation of fume or mist.

The valve dispense a crown at 360° inside the cylinder, without contaminating other areas, while by moving the valve is possible to lubricate an hole in all its length.

**FEATURES:**
- Non contact radial dispensing of low to medium viscosity fluids
- Fine adjustment of the flow rate
- Extension nozzles available in standard length 15, 20, 30, 50, 100, 200 mm (possibility to create special ones)
- Operation mode normally closed with safety spring
- Works with cylinders, holes etc from i.d. 10 mm to i.d. 120 mm
- Avoid any mist and dripping
- Easy maintenance and cleaning of the valve.

**FIELDS OF APPLICATION:**

**Technical Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>DAS 50 / DAS 50N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive</td>
<td>Single acting</td>
</tr>
<tr>
<td>Weight</td>
<td>440 g</td>
</tr>
<tr>
<td>Max fluid pressure</td>
<td>10 bar</td>
</tr>
<tr>
<td>Actuating air pressure</td>
<td>5 - 7 bar</td>
</tr>
<tr>
<td>Atomizing air pressure</td>
<td>0,1 - 2 bar</td>
</tr>
<tr>
<td>Input type air</td>
<td>6x4mm Tube</td>
</tr>
<tr>
<td>Inlet type fluid</td>
<td>6x4mm Tube</td>
</tr>
<tr>
<td>Extension length</td>
<td>15, 20, 30, 50, 100, 200 mm</td>
</tr>
<tr>
<td>Speed</td>
<td>Up to 200 cycles / min</td>
</tr>
<tr>
<td>Adjusting the passage</td>
<td>Micrometric</td>
</tr>
<tr>
<td>Used materials</td>
<td>Stainless steel, nickel-plated brass</td>
</tr>
<tr>
<td>Fluids to be dispensed</td>
<td>Oils, lubricants, greases up to NLGI 2, primers</td>
</tr>
</tbody>
</table>
**TANKS FOR FLUID FEEDING**

The PT series DAV Tech tanks are ideal to feed in the best way the valves DAS 50 and DAS 50N. They are available in 3 sizes: 2, 5 and 10 liters and in different variations. Made of mirror polished stainless steel and aluminum, all tanks can be equipped on request with an electrical minimum level sensor.

**DRIVE THE VALVES DAS 50 AND DAS 50N**

The valves DAS 50 and DAS 50N have to be driven with a 3/2 solenoid valve, timed by the customer. The atomizing air, necessary for the spraying, have to be driven with another 3/2 solenoid valve with a precision pressure regulator mounted on the line. This allows to keep separate the timing of dosing and spraying, and allow to have the greatest possible results.

**EXTENSIONS FOR VALVES DAS 50 AND DAS 50N**

The valves DAS 50 and DAS 50N may be provided with extensions of different lengths. 15mm, 30mm and 50mm are standard sizes, and upon request can be constructed with higher lengths or different positions of the spraying holes.

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**Valve configurations**

**DAS 50**

- **Extensions**
  - Length: 20 mm, 30 mm, 50 mm, 100 mm, 200 mm

**Connection diagram**

- PLC
- Pressurized Tank
- Blue Tube
- Black Tube
- Air Pressure Regulator
- Fluid
- EV 3/2

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