DAV TECH SRL

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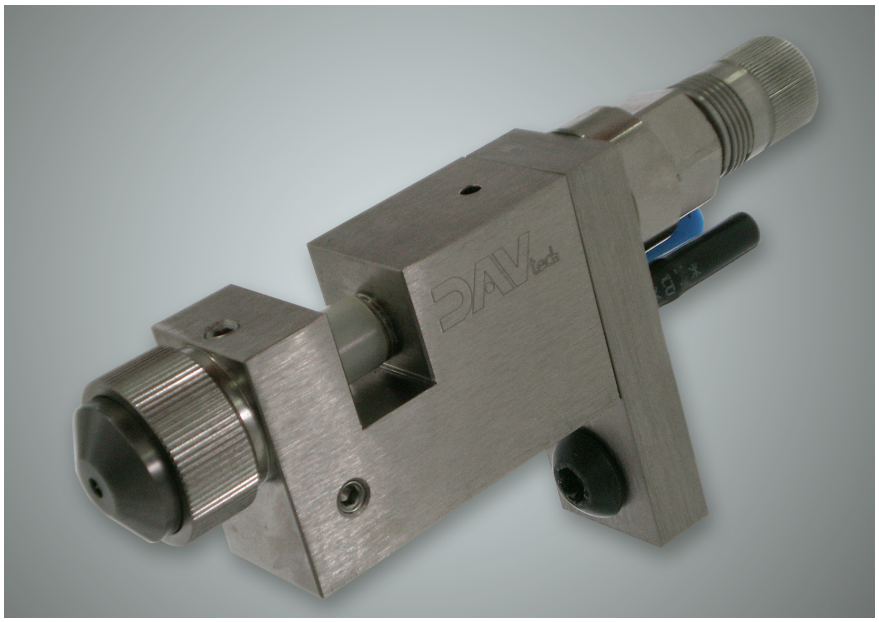
SPRAY VALVE **DAS 100**

The spray valve **DAS 100** is designed to spray various types of fluid. This valve allows to obtain very high performance combined with an extreme robustness and simplicity of construction.

The spray caps are available in various shapes, depending on the effect required, while various nozzle diameters are adapted to the viscosity of the used fluid.



FIELDS OF APPLICATION:

- **Lubricant spraying**
- **Primer spraying**
- **Vinylic glue spraying**
- **Water based paint spraying**

FEATURES:

- Fine adjustment of the flow rate (optional)
- Nozzle and needle in stainless steel
- Operation mode normally closed with safety spring
- Micro-spraying on parts with minimum size of 10 mm
- Do not create mist or unwanted drips
- Easy maintenance and cleaning of the valve.

Technical Data

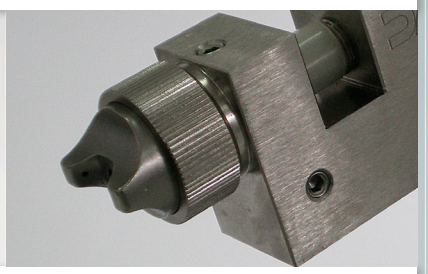
Model	DAS 100
Drive	Single acting
Weight	430 g
Max fluid pressure	Max 10 bar
Drive pressure	5 - 7 bar
Atomizing air pressure	From 0.1 to 3 bar
Air input type	6x4mm hose
Inlet fluid type	6x4mm hose
Air cap type	Oval or round
Speed	Up to 200 cycles / min
Adjusting the passage	Micrometric or with screw and nut
Used materials	Stainless steel, nickel-plated brass
Fluids to be dispensed	Oil, lubricants, primers, Vinylic glue

TANKS FOR FLUID FEEDING

The PT series DAV Tech tanks are ideal to feed in the best way the valve DAS 50. 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.

AIR CAPS AND SPRAY NOZZLES

Depending on the fluid, the spray nozzles are available in various diameters from 0.3 to 1.5 mm, while the air caps allow to obtain a round or oval spray pattern.



DRIVE THE VALVE DAS 100

The valve DAS 100 have to be drived with a 3/2 solenoid valve, timed by the customer. The additional air, necessary for the spraying,have to be drived 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.

Valve configurations

DAS 100 _ _ _ _ _

HOOD

CR
round
• 15°

CO
oval
• 45°
• 60°
• 90°

NOZZLES AVAILABLE
Ø
mm
• 0.3
• 0.5
• 0.8
• 1
• 1.2
• 1.5

REGULATION

NR
screw

RM
micrometric

Special versions available on request.

Connection diagram