

METERING VALVE DAV 200

The metering valve **DAV 200** is designed to dispense with the highest accuracy and repeatability greases and lubricants to NLGI 3 (1,000,000 mPa s). The chamber has a volumetric capacity adjustable from 10 to 200 mm³ (0.01 to 0.2 cc) and with a special sensor is possible to check the emptying of the dosing chamber, for the highest control of the assembly process.



DAV TECH SRL

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FIELDS OF APPLICATION:

- > Grease metering
- > Lubricants metering

FEATURES:

- > Volumetric dosing, reliable and constant
- > Dosing independent of viscosity, pressure and temperature of the lubricant
- > Pressure control system not necessary
- > Dosing objectivable with a sensor
- > Quantity dispensed easily adjustable and that can't be changed accidentally using the block screw
- > Small and Light (170 g)
- > Available on request in version for low feed pressure.

Technical Data

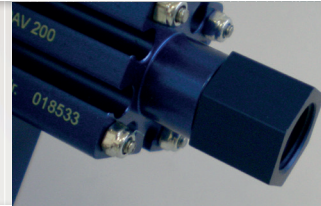
Model	DAV 200
Operation mode	Double Acting
Weight	170 g
Fluid pressure inlet	20 bar Min - Max 200 bar (low pressure version available)
Quantity dispensable	10 mm ³ - 200 mm ³ (0,01 cc - 0,2 cc)
Actuating air pressure	5 - 7 bar
Inlet air	M2,5 fittings for ø 4mm hose
Inlet fluid thread	1/8 BSP
Outlet fluid	M5 threaded with luer lock holder or fitting 1/8 BSP female
Speed	Up to 60 cycles / min
Adjusting the amount dosed	Micrometric with block screw
Used materials	Stainless steel, anodized aluminum
Fluids to be dispensed	Greases and lubricants up to NLGI 3-1000000 mPa s

FEEDING PUMPS FOR GREASE

DAV Tech pumps are ideal to feed grease and lubricants, contained in cans or drums, to the valve DAV 200. Pumps are available for cans from 0.5 up to 5 kg and for 5 to 200 kg drums.

NOZZLES FOR VALVE DAV 200

The valve DAV 200 is equipped with luer lock nozzle holder or alternatively with a threaded nozzle 1/8 BSP female. We can also design and build special nozzles (multi-point, radial, etc.) to meet the customer needs.



DRIVE THE VALVE DAV 200

The DAV 200 valve have to be controlled by 5/2 solenoid valve. It is not necessary that the timing is accurate, but it is important that the time set in the two phases of operation allows the valve to recharge and to dispense the lubricant.

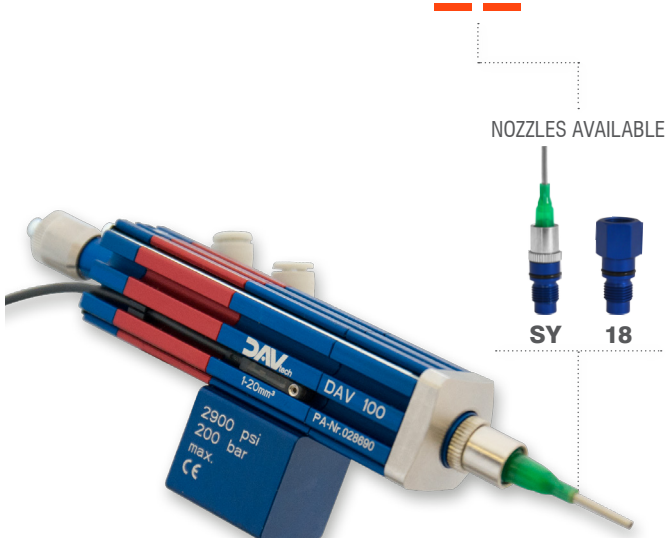
SENSOR FOR VALVE DAV 200

Through a simple reed switch (optional), you can verify a successful emptying of the volumetric chamber, to have the highest control of the assembly process.



Valve configurations

DAV 200



Special versions available on request.

Connection diagram

