

METERING VALVE WITH HAND-GRIP DAV 100 MAN

The metering valve **DAV 100 MAN** is designed to dispense manually, but with the highest accuracy and repeatability greases and lubricants up to NLGI 3 (until 1,000,000 mPa s).

The ergonomic hand-grip make the valve simple to keep in hand and operate. The volumetric chamber has a capacity adjustable from 1 to 20 mm³ (0.001 to 0.02 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:

- > Greases manual metering
- > Lubricants manual metering

FEATURES:

- > Volumetric dosing, reliable and constant
- > Dosing independent of viscosity, pressure and temperature of the lubricant
- > Ergonomic, compact and lightweight (230 g)
- > Dosing objectivable with a sensor
- > Quantity dispensed easily adjustable and that can't be changed accidentally using the block screw
- > Integrated pneumatic valve in the hand-grip
- > Available on request in version for low feed pressure.

Technical Data

Model	DAV 100 MAN
Operation mode	Double Acting
Weight	230 g
Fluid pressure inlet	20 bar Min - Max 200 bar (low pressure version available)
Quantity dispensable	1 mm ³ - 20 mm ³ (0,001 cc - 0,020 cc)
Actuating air pressure	5 - 7 bar
Inlet air	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 100 MAN. Pumps are available for cans from 0.5 up to 5 kg and for 5 to 200 kg drums.

NOZZLES FOR VALVE DAV 100 MAN

The valve DAV 100 MAN 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 100 MAN

The valve DAV 100 MAN have to be kept constantly fed with air at a pressure between 5 and 7 bar. The pneumatic switch valve is integrated in the hand-grip. The quantity dispensed is independent of time for which the operator presses the trigger (in addition to the minimum time required for dosage).



Connection diagram

