

- ☛ Centralized lubrication systems
- ☛ Metering technology
- ☛ Mixing technology

Needle metering valves

	Needle metering valves LubTec are used to discharge low to high viscose media. The metering valve consists of two separate parts. The advantage of this separation is that material cannot enter into the drive cylinder and impair the movement of the valve needle. The valve needle is sealed by a special double lip seal. The material amount per shot is adjustable via the stop screw of the metering needle. The metering cycle starts when the control connection, "filling" of the valve is charged with compressed air. The valve needle executes an upward stroke and the metering chamber is filled with material. By applying pressure to the control connection "metering", the piston moves downward. The material in the metering chamber is discharged by the downward movement of the valve needle. In the bottom position, the valve needle closes the discharge opening of the metering chamber and stops the material flow. The metering cycle can be controlled either pneumatically or electrically via a solenoid valve. LubTec needle metering valves are perfectly suitable for manual applications with a handle as well as for fully automated processes.
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Product features – specification

- Volumetric dispensing
- High speed cycle time
- Shot size from 0,001 – 3,0 cm³ (depending on type)
- Material input pressure 3 – 50 bar
- Double lip seal – low maintenance packing.
- extending valve life

Options:

- 5/2 pneumatic valve with plate
- Stroke detection signal transmitter
- Shot type model for shot application
- Heating.
- Pneumatic or electric handle
- Dispensing needle
- stainless steel type



Technical data:

Order number	Shot size	Material input pressure (bar)	Input screw thread
401-06-18	0,001-0,01 cm ³	3-20 bar	1/8"
450-20-00	0,003-0,2 cm ³	3-20 bar	1/4"
450-20-03	0,003-0,2 cm ³	3-50 bar	1/4"
419-01-00	0,05-1,0 cm ³	3-20 bar	1/4"
419-03-00	0,1-3,0 cm ³	3-20 bar	1/4"