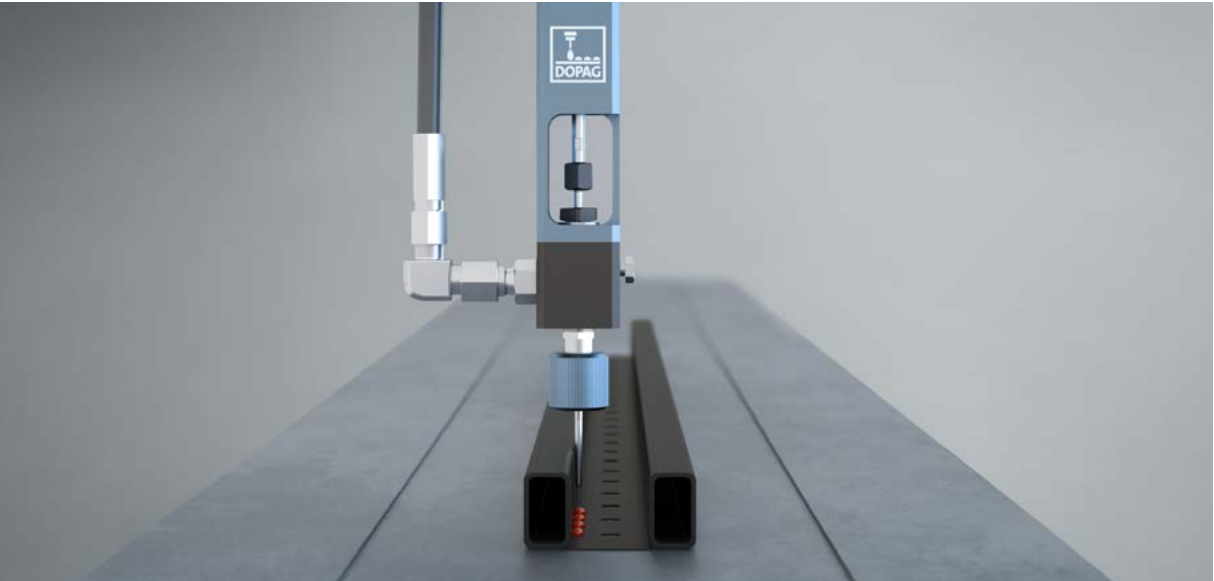


Needle metering valves

Metering small volumes with high precision

Needle metering valves are suitable for dot-form metering of low to high-viscosity media. They enable very small quantities of up to 3 ml per shot to be dispensed with high reproducibility and short cycle times. The valve consists of two structurally distinct parts. The advantage of this is that the material cannot penetrate the drive cylinder and impair the movement of the valve needle. Needle metering valves therefore offer high reliability and low

maintenance. The volume of the metering chamber, the shot size, is configured within a predefined range via mechanical adjustment. The metering cycle can be controlled either pneumatically or electrically by means of a solenoid valve. The valves can be used in manual applications with a handle as well as in fully automated processes.



Product properties

- Dot application (volumetric metering)
- Metering volume per shot 0.0012–3.00 ml (depending on variant)
- Material input pressure 3–50 bar
- Prepared for stroke detection
- Various types of seals/materials available

Options

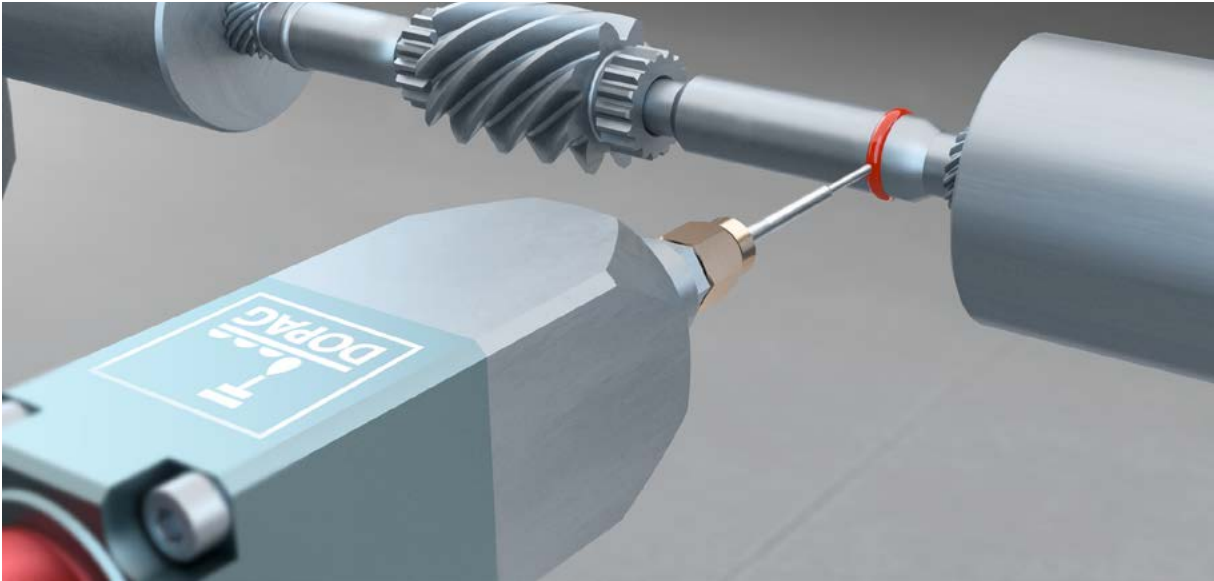
- Solenoid valve plate 24 V
- Transducer with various cables
- Cannula connection with various cannulas
- Micro-flow sensor
- Handle pneumatic/electrical

Diaphragm dispensing valves

Intelligent solution for the highest standards

Diaphragm dispensing valves can be used for continuous dispensing of various materials. These can be low to high viscosity, filled and unfilled media, as well as abrasive and chemically reactive 1K materials. The pneumatic and metering parts of the valve are separated by a diaphragm. This means that only the valve head and the diaphragm

come into contact with the material. Stroke adjustment for the valve needle is carried out by altering the size of the opening cross-section. The back suction effect prevents the material from dripping after dispensing. The valve is also very easy to maintain.



Product properties

- Continuous applications (pressure-time metering)
- Clear span (LW) 2, 4, 8 and 12 mm
- Material input pressure max. 160 bar
- Back suction effect (adjustable)

Options

- Solenoid valve plate 24 V
- Cannula connection with various cannulas
- Handle pneumatic/electrical
- Valve heating with or without plug 230 V AC / 200W