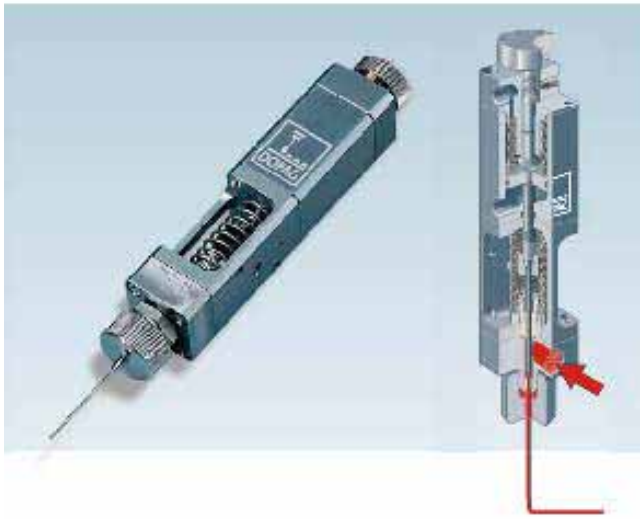


Dispensing valves



Dispensing valves

Internal diameter: 1 - 16 mm

Dispensing valves are used for processing low to high viscosity media. Adjusting the position of the needle in relation to its seat can control the size of the outlet orifice, thus giving control of the flow rate of the material.

When fully closed, the needle seals against its seat and is sealed at the throat by an adjustable packing set.

The valve is constructed in two separate parts. This separation of the fluid section from the actuating air section means that it is not possible for any leaking material to flow into the actuating air cylinder, which might otherwise cause a malfunction of the valve.

Material passageways can be quickly flushed out if necessary.

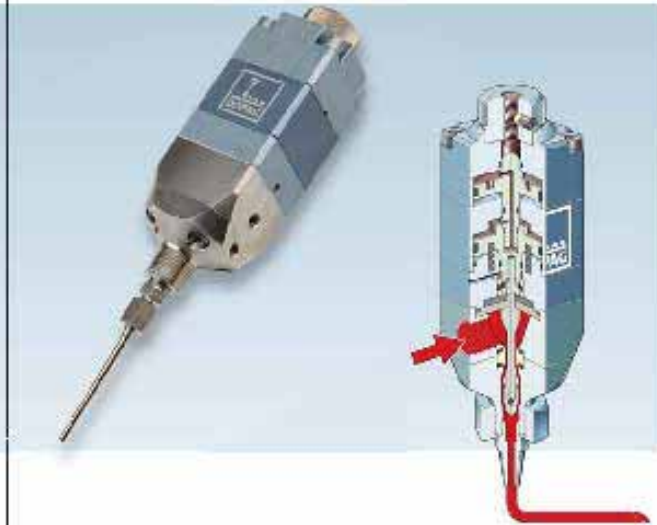
Product features

- Small material passageways
- Extremely high opening and closing forces
- Fitted with special adjustable packings
- Double acting pneumatic actuation
- Capable of withstanding high pressures
- Electric or pneumatic control

Options

- Solenoid valve plate
- Manual handle with trigger for pneumatic or electric operation

Membrane dispensing valves



Membrane dispensing valves

Internal diameter: 2 - 8 mm

Membrane dispensing valves are used for processing low to high viscosity media. They can be reactive, abrasive as well as chemically aggressive.

This low maintenance valve relies on a flexible diaphragm to seal the fluid passageways from the pneumatically driven actuating section of the valve, with only the valve head and membrane in contact with the media.

If necessary the fluid passageways can easily be flushed.

Product features

- Compact design
- Leakage free operation
- Material housing stainless steel
- Adjustable snuff back effect
- Valve seat tungsten carbide
- Adjustable needle stroke

Options

- Solenoid valve plate
- Manual handle with trigger for pneumatic or electric operation

DOPAG metering and dispensing valves

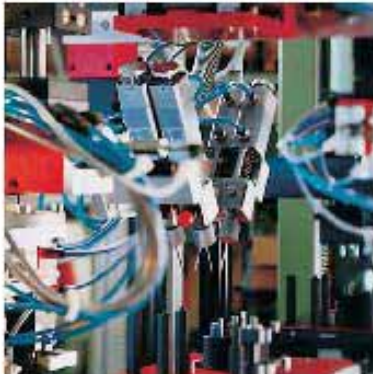
For precision material dispensing of single component media

DOPAG metering and dispensing valves are used in all parts of industry for processing low to high viscosity media.

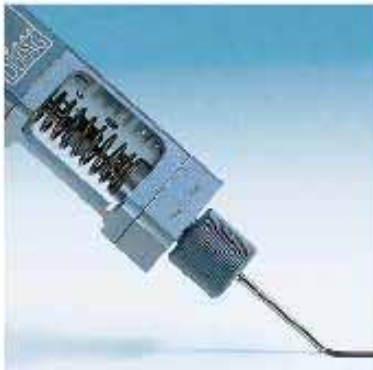
For these applications a high precision, reproducible flow rate is required.

These valves are available in a number of different ranges and in different sizes. This allows the user to select the most suitable valve for each individual application.

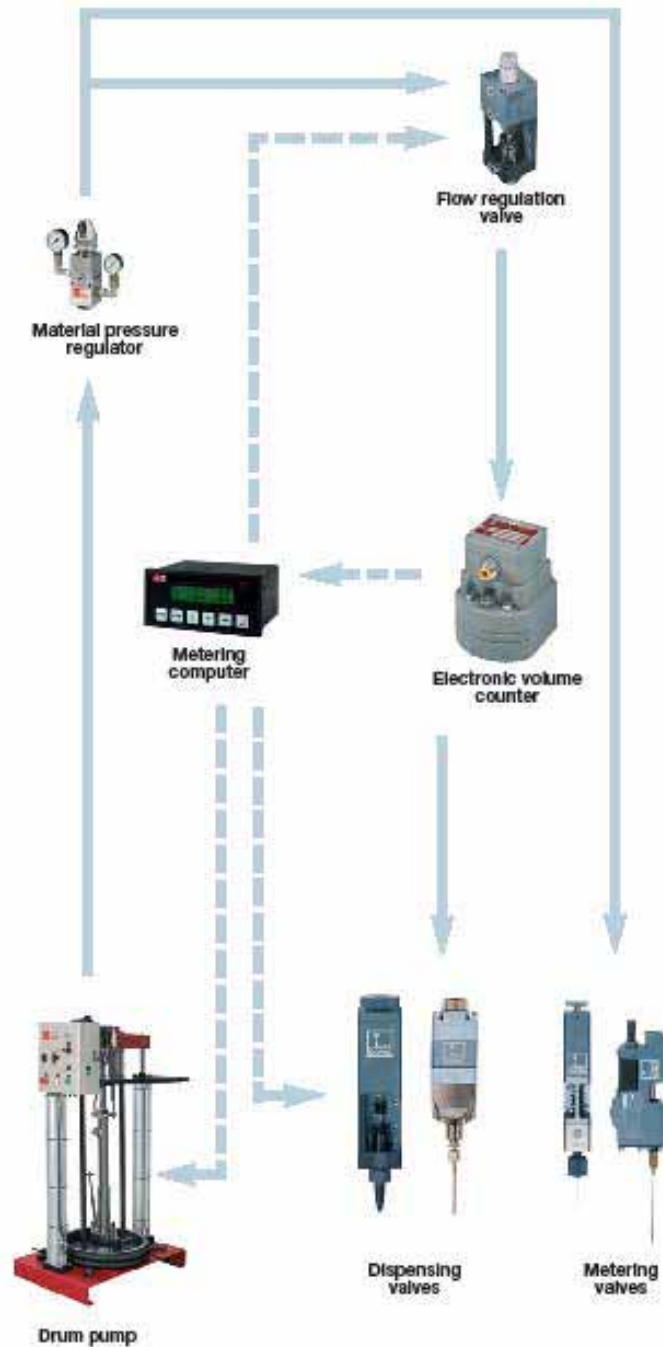
Such a large number of options together with elective materials of construction maximise the valve's possible uses.



Automatic spot-greasing



Bead laying



Technical data



Nozzle (1) is suitable for higher flow rates.
Hollow needle (2) is suitable for lower flow rates.



Optional valve handle for pneumatic (3) or electric (4) valve operation.



Dispensing valves

Internal diameter Ø	Working pressure bar	Max. working pressure bar	Weight approx. kg	Wetted parts made of			Options			
				steel/aluminium	stainless steel	needle seat tungsten carbide	hollow needles	nozzle	handle	solenoid valve plate
1,0 mm	250	315	0,20	-	●	-	○	-	○	○
2,0 mm	250	315	0,50/0,70	●	○	○	○	-	○	○
2,5 mm	250	315	0,50	●	-	-	○	-	○	○
4,0 mm	40	60	0,40	●	-	-	-	●	○	-
6,0 mm	250	315	1,50	●	○	○	-	●	○	○
12,0 mm	100	315	1,60	●	○	○	-	●	○	○
12,0 mm	250	315	2,80	●	-	○	-	-	○	○
12,0 mm	250	315	2,70	●	○	-	-	●	-	○
13,0 mm	200	315	1,20	●	-	-	-	-	○	○
16,0 mm	60	315	3,20	●	-	-	-	●	○	○



Membrane dispensing valves

Internal diameter Ø	Working pressure bar	Max. working pressure bar	Weight approx. kg	Wetted parts made of			Options				
				steel/aluminium	stainless steel	needle seat tungsten carbide	hollow needles	nozzle	needle or nozzle connection	handle	solenoid valve plate
2,0 mm	160	200	0,45	-	○	●	○	○	○	○	○
4,0 mm	160	200	0,70	-	○	●	○	○	○	○	○
8,0 mm	160	200	2,20	-	○	●	○	○	○	○	○

Key to symbols:

● standard

○ optional

- not available

