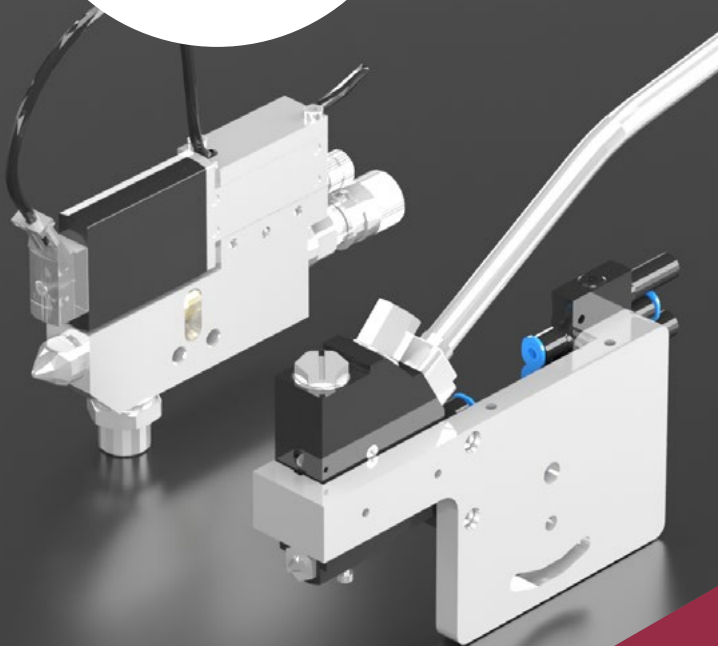


DOSIER
PRÜF
TECHNIK
GMBH



Automatisieren
Dosieren
Messen
Montieren



TIME-CONTROLLED DOSING PULSE VALVES

Fast, precise application of viscous media without component contact

www.dptechnik.com

PRECISE DOSING – CONTACT-LESS, FAST, ACCURATE

In many manufacturing processes, lubricants, sealants, and adhesives must not only be dosed precisely, but also applied at **high speed**, with repeat accuracy, and **without contact**.

In automated applications in particular, where **cycle times** and **installation space** are limited and **complex geometries** or sensitive surfaces are present, the demands on metering technology are increasing.

Conventional needle metering systems reach their limits here: mechanical wear, inconsistent **material break-off**, or time-consuming **cleaning** impair process reliability and lead to unnecessary downtime.

Our **EV50** and **FSV02** pulse valves enable **high-precision, contactless application** of even the smallest quantities of viscous media – regardless of **material viscosity, position tolerances, or component geometries**.

Both valves dispense with **pinpoint accuracy** and high reproducibility with minimal maintenance.

The **modular design** allows application-specific adaptation, while integrated functions such as **heating, blow-off device, or shot monitoring** offer additional process reliability.

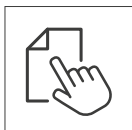
PRODUCT RANGE



FSV02

Optimized for precise lubricant applications with highly viscous media. The integrated nozzle heating keeps the material at a constant flow rate.

Optional features, such as a blow-off device for automatic nozzle cleaning and a light barrier for shot monitoring, increase process reliability and reduce maintenance requirements.



Data sheet

- ▶ Integrated heating
- ▶ Optional nozzle cleaning and shot control



EV50

Maximum dosing speed with minimal quantities. Thanks to very short switching times, optional grid regulation, and sensitive needle control, it is particularly suitable for fast microapplications. The compact design facilitates integration into high-speed, automated systems.

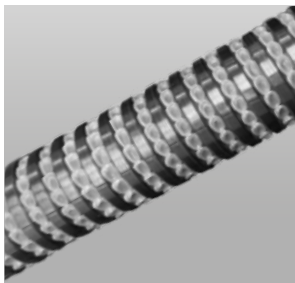


Data sheet

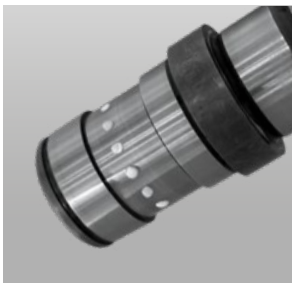
- ▶ Switching frequency up to 200 Hz
- ▶ Grid regulation

PRACTICAL EXAMPLES

A selection of greasing results:



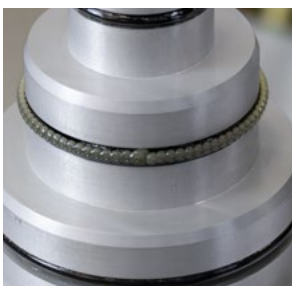
Greasing threaded rod
(FSV02)



Greasing shaft
(FSV02)



Greasing piston (EV50)

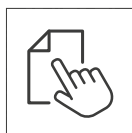


Greasing O-ring (EV50)

MORE INFORMATION

PRODUCT CATALOG

You can find our extensive range of dosing technology here:



YOUR BENEFITS



CONTACTLESS APPLICATION

Precise dosing without component contact – for sensitive surfaces and complex geometries.



HIGHEST CYCLE FREQUENCY

Short switching times for precise dosing cycles up to 200 Hz – even with micro quantities.



FLEXIBLE DOSING QUANTITY

Finely adjustable material delivery from 0.01 cm³ – can be precisely adapted to the process.



PROCESS-RELIABLE OPERATION

Stable dispensing results thanks to optional integrated heating, shot monitoring, and nozzle cleaning.



MEDIA VERSATILITY

Reliably processes greases, oils, sealants, and adhesives with variable viscosity.



SPACE-SAVING INTEGRATION

Compact design for use in tight assembly lines and robot applications.



LOW MAINTENANCE AND RELIABLE

Non-contact dosing principle minimizes mechanical wear and cleaning effort.

CONTACT US NOW!

From individual dosing components to complex dosing systems and units - our team will be happy to support you with individual advice and find exactly the right solution for you!

☎ +49 9081 27593 0

✉ info@dptechnik.de



EXACTLY YOUR SOLUTION!

D+P,
Dosier- u. Prüftechnik GmbH
Emil-Eigner-Straße 3
D-86720 Nördlingen



www.dptechnik.com