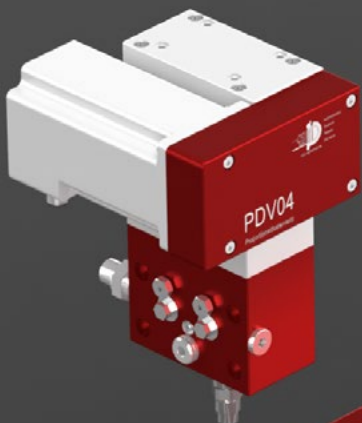


DOSIER
PRÜF
TECHNIK
GMBH



Automatisieren
Dosieren
Messen
Montieren



VOLUMETRIC DOSING

PROPORTIONAL DOSING VALVES

Precise, continuous dosing for
variable processes

www.dptechnik.com

PRECISE, STEPLESS DOSING FOR VARIABLE PROCESSES

In modern and flexible production environments, lubricants, sealants, or adhesives often need to be dosed not only precisely but also **flexibly**. Many applications require either **spot** material application in **variable quantities** or **continuous dosing** over a defined distance.

Conventional systems are often inadequate for this purpose: manual processes are much more **time-consuming** and **prone to errors**, while pneumatic metering valves are limited to **fixed stroke volumes** and require a **pneumatic connection**, which makes integration into more complex systems difficult.

The D+P proportional dosing valves meet precisely these requirements: Thanks to their **electromechanical control**, they can **adjust** the material flow rate in real time, regardless of whether it is for individual dosing points or continuous applications.

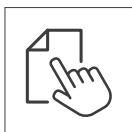
Thanks to the digital control, dosing sequences can be precisely tailored to the component – for **maximum process control**, **dynamic quantity adjustment**, and **minimal material waste**. The optional **spray attachment** further expands the range of applications to include **contactless dosing** for hard-to-reach or irregular surfaces.

PRODUCT RANGE



PDV03

For applications where a precisely defined quantity of a medium must be applied with pinpoint accuracy, e.g. when dispensing thermal pastes.



Data sheet

- ▶ Continuous, repeatable application
 - ▶ Dosing range: 0.01–0.5 cm³
-



PDV04

Endless dosing valve for continuous application of media in variable quantities and over long distances, e.g. when applying sealing compounds.



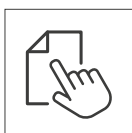
Data sheet

- ▶ Continuous, repeatable application
 - ▶ Dosing range: from 0.004 cm³
-



SPRAY ATTACHMENT FOR PDV04

In combination with the PDV04, enables contactless, volumetric application, e.g. for the surface application of adhesives.

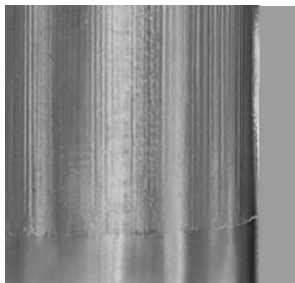


Data sheet

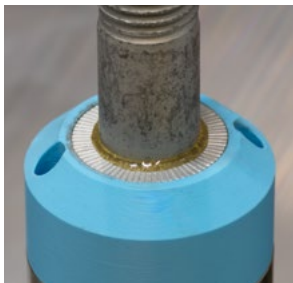
- ▶ Contactless, homogeneous, and repeatable application
- ▶ Individually adjustable spray pattern

PRACTICAL EXAMPLES

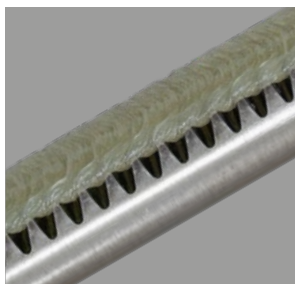
A selection of greasing results:



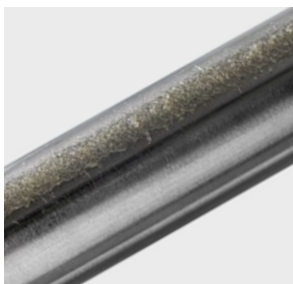
Greasing piston



Glue application



Greasing gear rack
(Spray attachment)

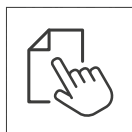


Greasing bolt
(Spray attachment)

MORE INFORMATION

PRODUCT CATALOG

You can find our extensive range of dosing technology here:



YOUR BENEFITS



MAXIMUM PROCESS RELIABILITY

Electronic monitoring of the valve piston for consistently repeatable dosing quantities.



FLEXIBLE USE

Flexible material delivery: selective or continuous, contactless or direct – regardless of pressure, temperature, or viscosity fluctuations.



EASY INTEGRATION

Space-saving design, no pneumatic connection required. For easy integration into existing production systems.



RELIABLE MONITORING

Digital control via PLC, Profinet or Profibus enables precise synchronization with production processes.



ROBUST DESIGN

Long service life thanks to high-quality materials and a resistant sealing system.



MINIMIZED MAINTENANCE TIMES

Longer service life thanks to low-wear seals and uncomplicated seal replacement in just a few minutes.

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!

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