



DOSING VALVE DV25H

DP-D-015-000021



APPLICATION

The DV25H is suitable for volumetric dosing of low to high viscosity media in the dosing range of 0.02–2.5 cm³ and can be used for manual as well as automatic dosing processes.

DESCRIPTION

The valve consists of two structurally separate parts. This design prevents uncontrolled leakage of the medium into the pneumatic cylinder and thus prevents interference with the valve needle.

The exact dosing quantity is set via the adjusting nuts with readable quantity scale, which enables repeatable, exact and precise dosing.

The metering cycle can be controlled pneumatically by means of a 5/2 directional control valve.

ADVANTAGES

The DV25H is characterized by high reliability and low maintenance.

The modular seal package ensures fast and service-friendly maintenance in just a few steps. The seals meet the latest technological standards and ensure a long service life for the valve.

TECHNICAL DATA

Dimensions

| | |
|------------------------|----------------------|
| Weight | 1890 g |
| Width x height x depth | 74.5 x 340 x 56.5 mm |

Compressed air supply

| | |
|------------------------------|---------------------------|
| Pneumatic operating pressure | 3.5–6 bar |
| Compressed air quality | dried, filtered, oil-free |
| Pneumatic connections | G 1/8" female thread |

Environmental conditions

| | |
|-------------------------|-----------------------|
| Temperature | 10–50 °C |
| Humidity | 50–70 % |
| Installation conditions | flat industrial floor |
| Sound level | <70 dB(A) |

Material conditions

| | |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Material input pressure | 3–30 bar |
| Material output pressure at 5 bar operating pressure | approx. 84 bar |
| Dosing speed | max. 250 ms/dosing cycle |
| Dosing quantity | 0.02–2.5 cm ³ |
| Connection input medium | M16x1.5 external thread |
| Connection output medium | G 1/4" external thread dosing valve. With standard adapter DP-D-011-000001/L600172 G 1/4" external thread > G 1/8" female thread |
| Permissible medium | NLGI class 0–3 (greases, oils, pastes, silicones) |



DOSING VALVE DV25H ACCESSORIES



STROKE MONITORING P

DP-D-010-000020

Cylinder switch with reed contact for sensing the dosing and loading position.



STROKE MONITORING K

DP-D-010-000022

Switch with inductive sensor BES00HF for sensing the dosing and loading position.



SEALING PACKAGE

DP-D-010-000041

Complete package incl. sleeve with seal set and dosing needle.



HANDLE

DP-K-002-000020 // pneumatic

DP-K-002-000021 // electric

Handle for dosing valves for manual application.
Available in electric and pneumatic versions.

PLASTIC HOSE

DP-D-002-000030 // Outer diameter 2.5 mm

DP-D-002-000031 // Outer diameter 4 mm

Pressure-resistant plastic hose for dosing valves.
Connection 1: 1/8"
Connection 2: 1/8" or M6x0,57 (e.g. for dosing head)
Length approx. 0.2 m.