



# GREASE SHOT VALVE FSV02 SINGLE

DP-D-007-000005



## APPLICATION

The grease shot valve is used to apply various viscous media from a distance of up to 120 mm.

## DESCRIPTION

The FSV02 simple includes a solenoid valve, as well as a micromodule with optimized nozzle and heating with two heating controllers. The material is discharged with perfect tear-off as a point or bead.

The control takes place exclusively via the D+P dosing system.

Available nozzle sizes: Ø 0.21–0.81 mm

## ADVANTAGES

The 2-valve shut-off technology enables metering of very small quantities with very short switching times, and the compact design means that the nozzle can be optimally used even in the tightest of spaces.

The valve is splash-proof and has an integrated material filter to ensure permanently clean material discharge.

## TECHNICAL DATA

### Mechanical data

Width	348 mm
Height	625 mm
Depth	273 mm
Mounting position	any, even overhead
Max. pumpable viscosity	oils and greases NLGI class 0–3
Application quantity per shot	1–20 cm <sup>3</sup>
Material temperature	max. 120 °C
Switching frequency	max. 100 Hz
Medium inlet pressure	5–68 bar, depending on application – depending on viscosity
Order distance	max. 120 mm
Heating time	approx. 5 min
Pneumatic air pressure	6 bar, optionally with pressure booster combination
Line length control air	max. 100 mm

### Environmental conditions

Storage and transport temperature	–40–70 °C
Working temperature	35–65 °C
Ambient temperature	–7–50 °C
Humidity	50–70 %
Material	For all work, the material must be brought to the correct processing temperature. Note this temperature when: <ul style="list-style-type: none"> <li>▶ the material comes from cold storage rooms,</li> <li>▶ a heater is provided for heating the material,</li> <li>▶ cooling is provided for cooling the material.</li> </ul>
Other	Operation in closed rooms. Protect from direct sunlight, dust and moisture. Installation altitude maximum 2000 meters above sea level.
EMC resistance	according to EN 61000-6-2:2001 (industrial area)

### Electrical data

Temperature sensor	PT 100 / 2 conductors
Power supply	240 V AC 50–60 Hz
Power heating	240 V: 155 W