



Valves of the type *asy/tdv/a* are designed for dosing media where high speed is a prerequisite. The short switching times enable precise dispensing amounts to be defined by modifying the time frame. The heating functionality of the valve makes it suitable for applications where the temperature range lies above the ambient temperature. Moreover, any differences in viscosity can be evened out through temperature regulation.

Electronic control for the valve is provided by the SPS-compatible *ase/pcs/sat/c*.

Measurements (LxBxH):	(68 x 70 x 14) mm
Media	oils und grease up to 2000 mPas viscosity
Dosing time	500 μ s to ∞
Dosing frequency	≤ 150 doses/s
Maximum operating pressure	100 bar
Throughput	≥ 300 g/min at 1000 mPas at 60 bar
Resonance frequency	~ 3.5 kHz
Ambient temperature range	to 45 °C
Medium temperature range	to 100 °C
Sealing system	hard (ceramics)
Maintenance interval	≥ 10 million cycles
Electrical connection	cable with 10-pole round plug connector
Medium connection	M8 x 1 ceramic nozzle $\varnothing 0.3$ mm (standard)
Degree of protection	IP 54
Connector cable	as cable assignment

Cable Assignment

PIN	Meaning
1	ENA
2	actuator valve
3	signal mass for temperature sensor
4	temperature sensor +24 VDC
5	heater 220 V
6	heater 220 V
7	temperature sensor OUT
8	Protection earth (PE)
9	drive voltage 0-400 V valve
10	operating voltage 400 V valve

Application

For implementation in greasing applications either in individual or automated processes.

Identification	Release	Description
<i>asy/tdv/a.u/c</i>	1.0	Heated Dosing Valve for Greasing supporting Feet
<i>ase/pcs/sat/c</i>	1.0	Torque-Ansteuerung