



Torque valves of the type *asy/tdv/g* are dosing valves designed for very short opening times.

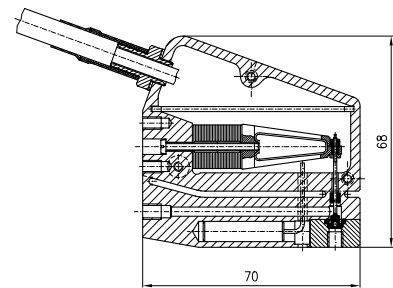
One special feature is that the valve stroke and thus the aperture cross section can be regulated from 0 - 100 %. This enables dosing of liquids up to the hydrodynamic limit dependent upon viscosity.

The precise reproductability of the electrically defined valve's characteristic curve results in high dosing precision, better than 3 %.

Due to the high mechanical resonance frequency, the movement of the valve follows the controller well above 1 kHz.

Optional heating for the valve optimises the viscous behaviour of the dosing media and the use of low melting media.

Dimensions (L x H x W)	(70 x 68 x 14) mm
Medium	Oils, low viscosity grease lubricants and coolants, low melting media
Dosing time	500 $\mu$ s to $\infty$
Dosing sequence	$\leq 150$ doses/s
Maximum operating pressure	50 bar
Resonance frequency	$\sim 3.5$ kHz
Ambient temperature range	up to 45 °C
Media temperature range	up to 180 °C
Sealing system	hard (ceramic)
Electrical connection	2 m cable with 10 pole round plug connector or multicore cable ends (according to controller type)
Media connection	M5 input M5 output
Degree of protection	IP 54



## Application

The torque dosing valve is used in dosing liquids with a precision range better than 3 %.

Identification	Release	Description
<i>asy/tdv/g/c.3h</i>	1.0	Dosing Valve
<i>ase/pcs/1/h</i>	1.0	Valve control with temperature regulator