

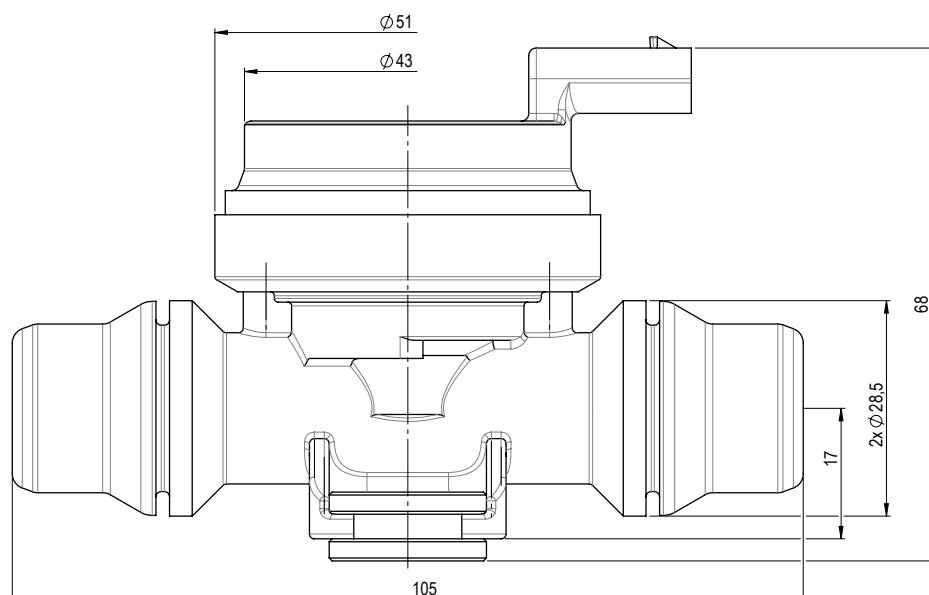
Thermal Management

SPV22

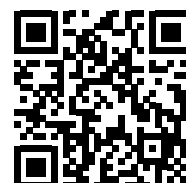
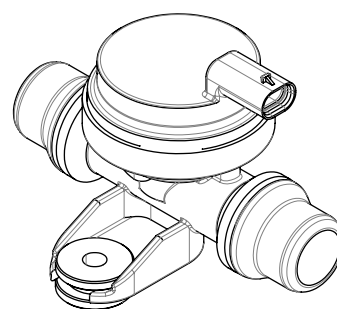
Data Sheet



Dimensions



(1:1)



Technical Data

Valve type	Normally close (NC)
Max. working pressure	2 bar $\pm$ 0.2 bar
Burst pressure	4 bar
Flow	30 l/min @ $\Delta p = 0.25$ bar @ 20 °C (water), less $\Delta p = 0.25$ bar possible
Leakage	≤ 6 ccm / 24 h for water
Voltage controlled	8 – 16 V
Current/ DC	$I_{\min} = 0.23$ A, $I_{\max} = 0.5$ A (16 V) / DC 100 %, tbd
Noise component	≤ 40 db(A) filled with water, test tbd
Resistance	$\sim 35 \Omega$, tbd
Response time on/off	> 50 ms / > 100 ms (depends on outlet restriction)
Temperature range	-40 °C to +85 °C
Operating fluid	Water / ethanol (e.g., 1:1)
Durability	Switching cycles = tbd
Protection class	$> IP65$
Dimension	≈ 40 mm x $\varnothing 55$ mm
Weight (component) Weight (copper)	$\approx < 150$ g (target for series design), sample ≤ 200 g $\approx \leq 20$ g (target)
Modularity	Inline

