

Solenoid valve

Model SVC1



Solenoid valve SVC1 can supply working medium to pipelines and cavities of a unit/system under commands of control system.

Status TRL – 3

Type: Normally closed, 2-way, direct action

Main technical characteristics

Sub model	SVC1-2.6	SVC1-4
Working medium	cryogenic gases and liquids	
Max working pressure, bar	120	50
Burst pressure, bar, no less	300	
Operation temperature range, °C	from minus 180 to plus 60	
Voltage*, Vdc	from 24 to 32	
Max power consumption (@ 20 °C), W	44	
Passage diameter, mm	2.6	4
Max response time, s	0.07	0.08
Internal leakage, sm ³ /s GHe, no more:		
- at a temperature from minus 30 to plus 60 °C, sm ³ /s, no more	0.5	
- at a temperature of minus 180 °C, sm ³ /s, no more	15	
External leakage, m ³ ·Pa/s GHe	1.33·10 ⁻⁷	
Flow capacity Kv, m ³ /h, no less	0.18	0.32
Mass, kg, no more than	1.25	
Overall dimensions**, mm	see.fig.1	

* - for long-term activation (more than 180 s), it is recommended to reduce the voltage after activation by 1...3 s.

** - the overall dimensions and interfaces of the ports may vary depending on the customer's requirements.

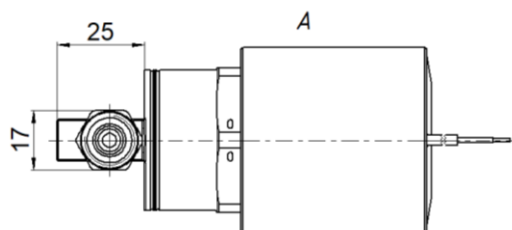
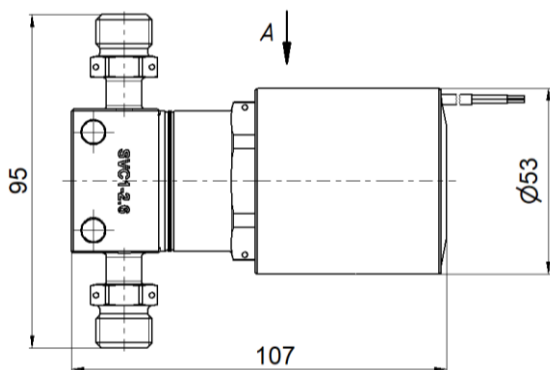


Figure 1 – Overall dimensions**