

Solenoid valve

Model SV21



Solenoid valve SV21 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, pilot operated

Main technical characteristics

Working medium	Non-cryogenic gases and liquids
Operating pressure range, bar	20 - 250
Burst pressure, bar, no less	625
Operation temperature range, °C	from minus 30 to plus 60
Voltage*, Vdc	from 24 to 32
Max power consumption (@ 20 °C), W	40
Passage diameter, mm	16
Max response time, s	0.1
Internal leakage of the main line, sm ³ /s air, no more	0.5
Internal leakage of the pilot line in the closed position, sm ³ /s air, no more	0.5
Internal leakage of the pilot line in the open position, sm ³ /s air, no more	1
External leakage, m ³ ·Pa/s GHe	$1.33 \cdot 10^{-7}$
Flow capacity Kv, m ³ /h, no less	5.9
Mass, kg, no more than	1.2
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.

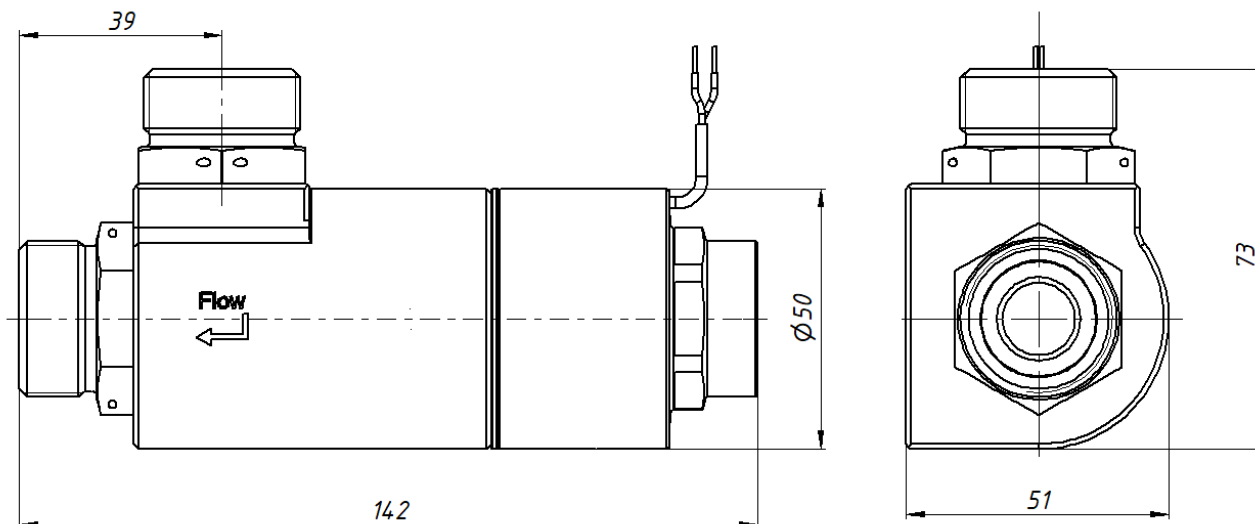


Figure 1 – Overall dimensions**