

## Check valve

### Model CV02



The check valve CV02 is designed to permit the flow of the working medium in one direction and prevent backflow in the opposite direction.

Status TRL – 3

Type: Normally closed

### Main technical characteristics

Working medium	Non-cryogenic gases and liquids
Opening pressure, bar	0.4
Max working pressure, bar	250
Burst pressure, bar, no less	650
Operation temperature range, °C	from minus 30 to plus 60
Internal leakage, sm <sup>3</sup> /s air, no more	0.5
External leakage, m <sup>3</sup> ·Pa/s GHe	$1.33 \cdot 10^{-7}$
Passage diameter, mm	12
Flow capacity Kv, m <sup>3</sup> /h, no less	5.1
Mass, kg, no more than	0.3
Overall dimensions*, mm	see.fig.1

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

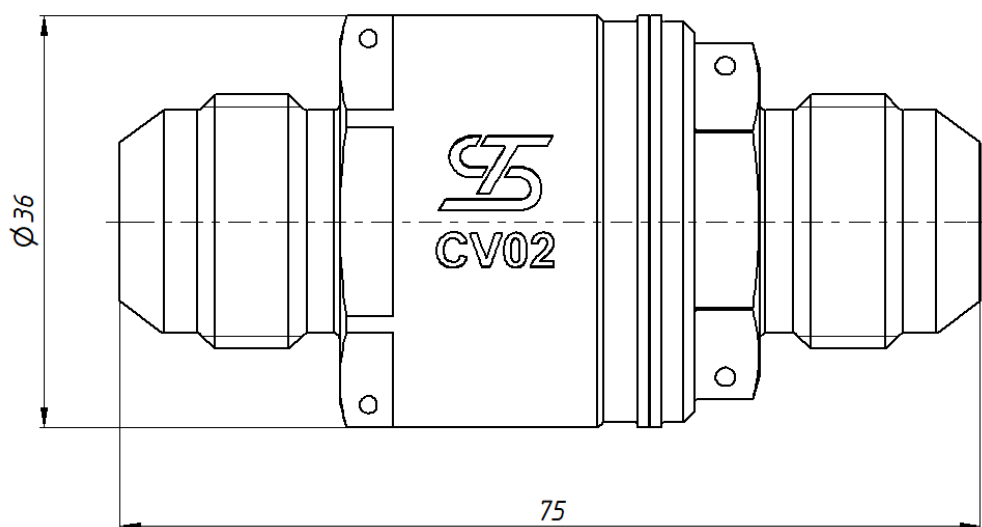


Figure 1 – Overall dimensions\*