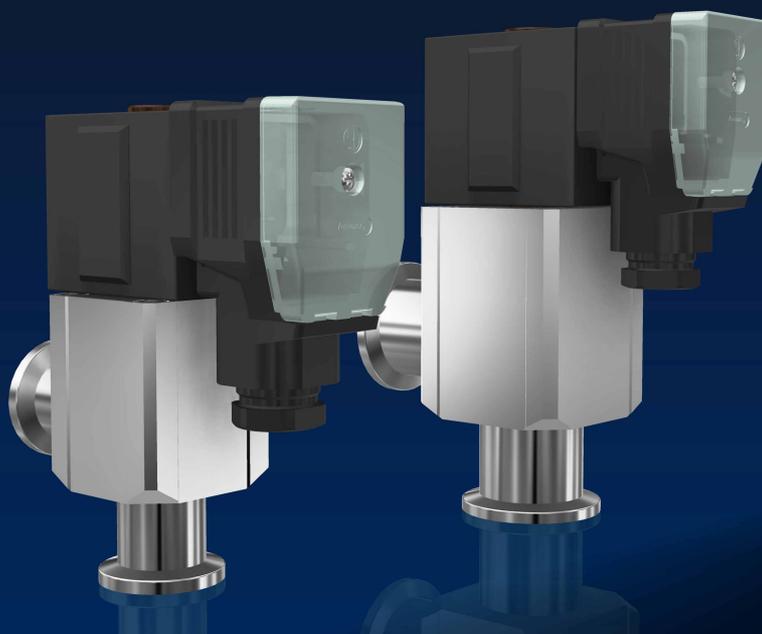


XLS-RE

Angle Valve with built-in Control Electronics

- electromagnetic high vacuum angle valve made of aluminium
- available with DN16KF and DN25KF vacuum connections
- ideal for shutting off pre-vacuum lines thanks to a closing time of only 40 ms
- integrated control electronics for reducing coil power
- electrical connection via DIN angle plug
- visual position indicator via green LED for open state
- aluminium housing, bellows and valve disc made of stainless steel
- FKM-sealed
- usable from atmospheric pressure to $1 \cdot 10^{-8}$ mbar
- any installation position



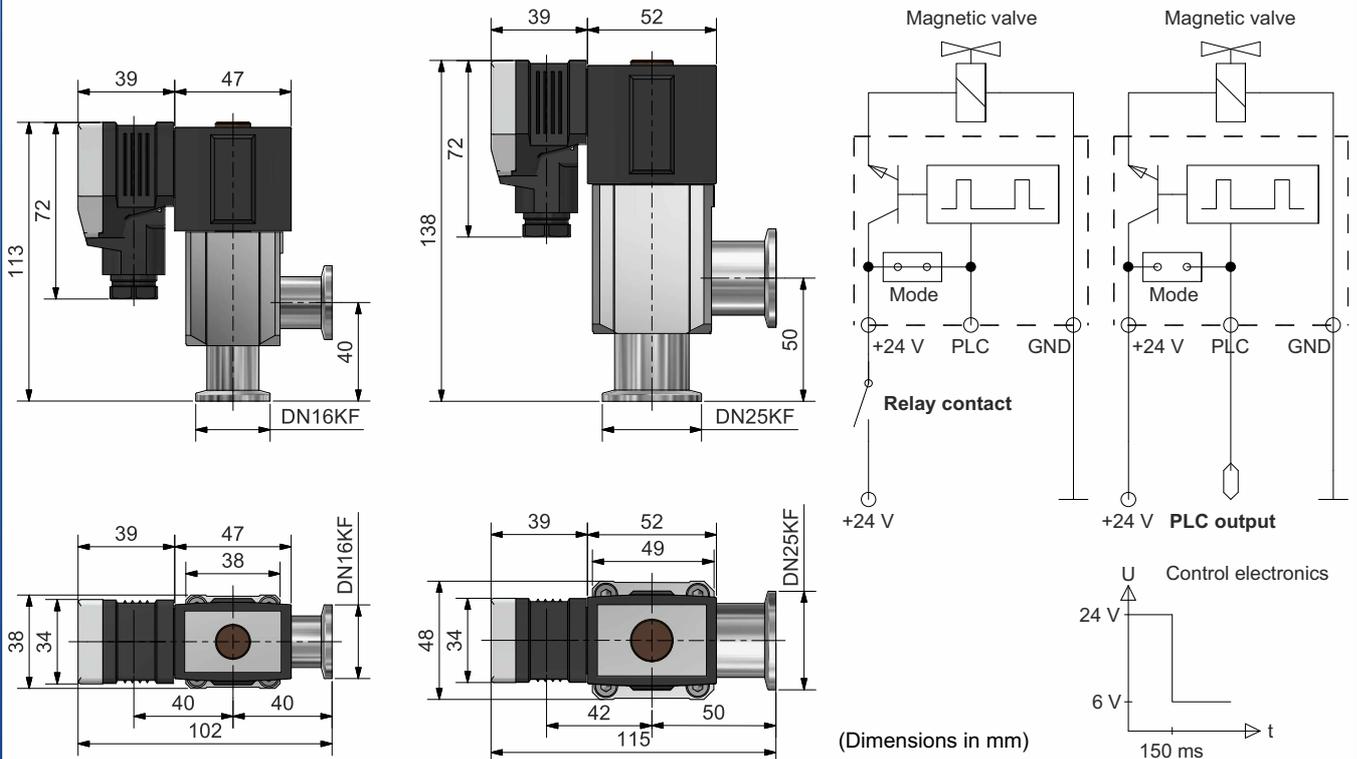
Versions

High vacuum angle valve **XLS-16-5D-RE**, Version with flange size DN16KF and control electronics, Part no. 240005
 High vacuum angle valve **XLS-25-5D-RE**, Version with flange size DN25KF and control electronics, Part no. 240007

Technical Data

Operating principle:	electromagnetic, single-acting, normally closed
Vacuum connection:	DN16KF, DN25KF
Pressure range:	$1 \cdot 10^{-8} - 1000$ mbar
Helium leak rate:	$< 1 \cdot 10^{-9}$ mbar·l·s ⁻¹
Design:	2-piece housing, actuator can be dismantled
Material:	Housing: aluminium Bellows and valve disc: stainless steel Housing and valve disc seals: FKM
Coil insulation:	class B
Electrical connection:	DIN angle plug
Supply voltage:	24 VDC $\pm 10\%$, ripple less than 2.0 V, reverse polarity protection provided
Current consumption:	max. 1.8 A for approx. 150 ms for opening max. 0.15 A for holding
Closing time:	40 ms
Signalling:	bright LED for opening (24 V at solenoid valve) LED off for holding (6 V after 150 ms at solenoid valve)
Control options:	relay control (see figure Relay contact): Jumper mode plugged in, 24 V is switched directly, a current of 1.8 A flows through the contact for approx. 150 ms, two-pole cable PLC control (see figure PLC output): Jumper open, 24 V applied statically, the valve is switched by means of a control output (24 V / 3 mA)
Operating temperature:	5 – 40 °C
Maintenance:	service life until first maintenance 500,000 cycles
Use:	indoors only (altitude max. 2000 m above sea level), protection class IP20, any installation position
Weight:	0.5 kg (version with flange size DN16KF) 0.8 kg (version with flange size DN25KF)

Dimensions and Control Options



More information under:

JEVATEC GmbH
 D-07743 Jena, Schreckenbachweg 8
 Phone: +49 3641 3596-0
 Fax: +49 3641 3596-39
 E-mail: info@jevatec.de

JEVATEC
 Ideen in der Vakuumtechnik
www.jevatec.de

