

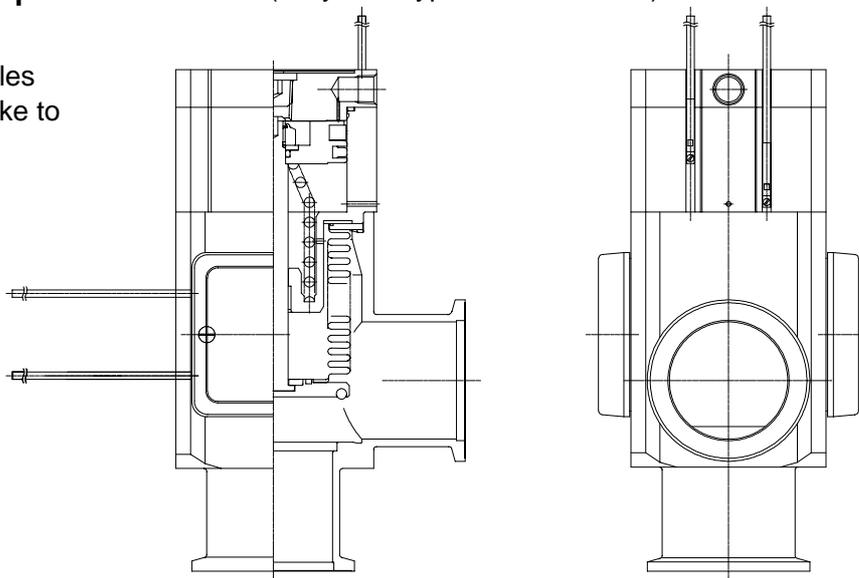
High Vacuum Angle Valve

XLB-40

SMC CORPORATION
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Tokyo 105-0004, JAPAN
URL: <http://www.smcworld.com>

Feature 1: N.O. specification (Only N.C. type for Series XLA)

Please contact your SMC sales representative if you would like to use auto switch with heater.



Specifications

High vacuum angle valve

Valve type	N.O. type (Pressurize to close, bellows seal)	
Fluid	Non-corrosive gas for aluminum alloy (A6063) and SUS304/316	
Ambient and operating temperature	5 to 60°C (Option 5 to 150°C (*1))	
Operating pressure	Atmospheric pressure to 1×10^{-6} Pa (for absolute pressure)	
Conductance (*2)	45L/sec	
Leakage Pa·m ³ /s	External	1.3×10^{-11} or less (At ordinary temperatures, excluding gas permeation)
	Internal	1.3×10^{-10} or less (At ordinary temperatures, excluding gas permeation)
Operating time (*3)	0.21sec	
Flange type	KF40	
Principal materials	Body: Aluminum alloy, Bellows: Stainless steel, Seal: FKM	
Actuation pressure	0.4 to 0.6MPa	
Actuation port size	Rc1/8, NPT1/8, G1/8, NPTF1/8	
Service life	2 million cycles	
Weight	1.14kg	

*1) When auto switches are attached, 5 to 150°C is not applicable.

*2) Conductance is the same as that of an elbow with the same dimensions.

*3) The time required for 90% valve movement when an actuation pressure of 0.5MPa is applied.
There is a difference of about 20% in this value at the upper and lower pressure limits.

Heaters (*4)

Rated heater voltage	90 to 125VAC	
Heater power W (nominal value) In-rush/Consumption (power)	H1: 80°C	200/20
	H2: 100°C	200/40
	H3: 120°C	400/70

*4) In-rush current will flow to the heater for several tens of second and will then subside.

Please refer to our high vacuum angle valve (Series XL) catalogue (CAT.E829) for other details.

Auto switch specification (*5)

*5) Please refer to our Best Pneumatics (general catalogue) for the details of auto switch.

