

3. Specifications

Model		XLD-25	XLD-40	XLD-50	XLD-63	XLD-80	XLD-100	XLD-160
Flange (valve) size		25	40	50	63	80	100	160
Actuating type		Normally closed						
Fluid		Vacuum of inert gas						
Operating temperature °C		5 to 60 (5 to 150 for high temperature type)						
Operating pressure Pa(abs)		Atmospheric pressure to 1 x 10 ⁻⁶						
Conductance l/s Note 1)	Main pumping	14	45	80	160	200	300	800
	Initial pumping	0.5 to 3	2 to 8	2.5 to 11	4 to 18	4 to 18	6.5 to31.5	6.5 to 31.5
Leakage Pa·m ³ /s	Internal	1.3 x 10 ⁻¹⁰ for the standard material (FKM) at ambient temperatures , excluding gas permeation						
	External	1.3 x 10 ⁻¹¹ for the standard material (FKM) at ambient temperatures , excluding gas permeation						
Flange type		KF (NW)			KF (NW) , K (DN)			
Main material		Body: aluminum alloy, Bellows: SUS316L, Main part: SUS304 and FKM (standard sealing material) Note 2)						
Surface treatment for body		Outside: hard anodized Inside: basis material						
Actuation pressure MPa(G)		0.4 to 0.7						
Air consumption cm ³ for 0.5MPa Note 3)	Main pumping	46	200	360	660	1350	3000	5150
	Initial pumping	3.5	12	15.5	30	42	54	54
Port size		M5	Rc 1/8					Rc 1/4
Weight kg		0.5	1.2	1.8	3.4	5.6	11.5	20

Note1) Main pumping conductance is "molecular flow" measured with an elbow pipe which has the same dimension as each applicable flange.

Initial pumping conductance is the value for "viscous flow".

Note2) A seal sliding part for vacuum use vacuum grease (Y-VAC2).

Note3) For one cycle of cylinder.

See the figure on the right for the relation between the numbers of revolution of adjustment nut (pitch 1mm) and conductance of the initial exhausting valve.

(The conductance is just a reference.)

