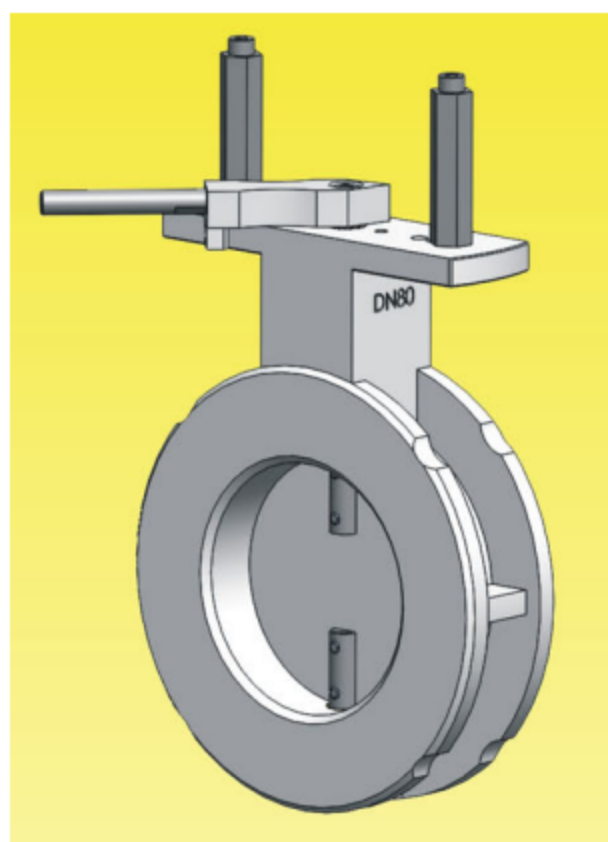




AKL
Gas / Cold Air Butterfly Valve



Foshan NUOE Combustion Control Technology Co., Ltd.

Tel: 4000-8397-18

Web: <http://www.astechnic.net>

E-mail: [Astechnic @ 163.com](mailto:Astechnic@163.com)

AKL Gas / Cold Air Butterfly Valve

Overview

AKL Gas / Cold Air Butterfly Valve is used in flow control pipeline system of gas, cold air ($\leq 80^{\circ}\text{C}$) and other low temperature gas ($\leq 150^{\circ}\text{C}$). It is an ideal equipment for regulating flow in gas pipeline. It has the characteristics of low leakage rate, low pressure loss, high control precision and so on. They can not only be used in manual control, but also cooperate with our company's controllers AT31, AT50 and foreign actuators such as Siemens and Hocod to realize automatic control.

Features

- It includes manual control and automatic control, and can be customized according to the needs of users.
- It is suitable for flow control of gas pipeline and air pipe (cold air).

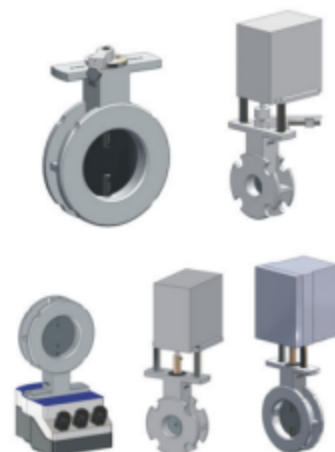
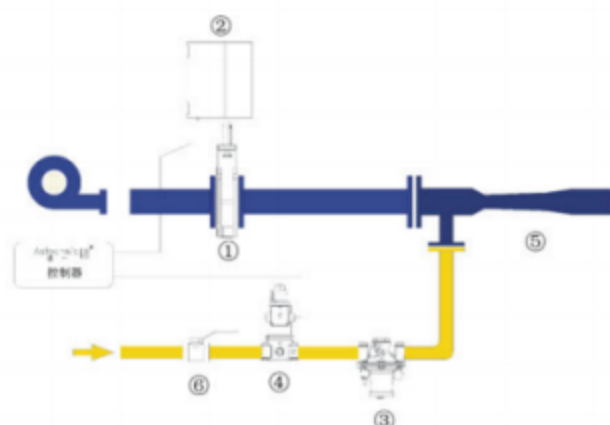


Fig. 1 AKL Gas / Cold Air Butterfly Valve

Functions and Applications

- AKL gas / cold air butterfly valves are mainly used for manual regulation of air, gas or smoke or for automatic regulation with actuators.
- The design of AKL gas cold air butterfly valve is based on free flow principle. According to the rotational motion between 0 and 90° , the cross section of the flowing medium is released.
- The operation of AKL gas / cold air butterfly valve is very simple. Therefore, the actuator only needs low torque.



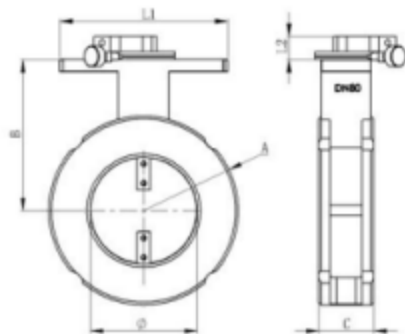
- ① AKL Gas / Cold Air Butterfly Valve
- ② AT50 Actuator
- ③ ADJ Stabilizing Valve
- ④ AVE. L Solenoid valve
- ⑤ Venturi mixer VM-5
- ⑥ Gas manual shutoff valve

Fig. 2 Installation diagram

AKL Gas / Cold Air Butterfly Valve

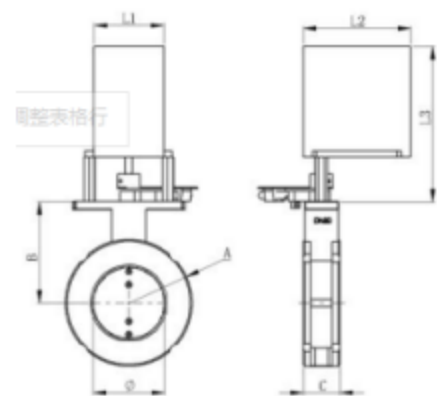
Installation dimensions and specifications

Dimensional specification table of AKL-S manual clamp-on aluminum alloy butterfly valve



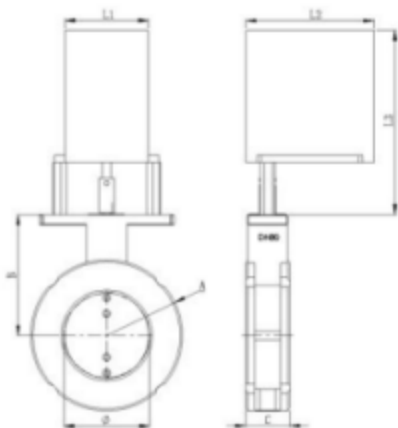
No.	Model	Dimension(mm)						
		ϕ	A	B	C	L1	L2	
1	AKL-32-S	32	57.5	100	42	129	18	
2	AKL-40-S	40	57.5	100				
3	AKL-50-S	50	57.5	100				
4	AKL-65-S	65	67.5	107.5				
5	AKL-80-S	80	72.5	116				
6	AKL-100-S	100	82	125				
7	AKL-125-S	125	96	137.5				
8	AKL-150-S	150	108.5	152				

AKL automatic aluminum butterfly valve (AT31 actuator, pendulum type)



No.	Model	Dimension(mm)						
		ϕ	A	B	C	L1	L2	L3
1	AKL-32-1	32	57.5	100	42	80	123	177
2	AKL-40-1	40	57.5	100				
3	AKL-50-1	50	57.5	100				
4	AKL-65-1	65	67.5	107.5				
5	AKL-80-1	80	72.5	116				
6	AKL-100-1	100	82	125				
7	AKL-125-1	125	96	137.5				
8	AKL-150-1	150	108.5	152				

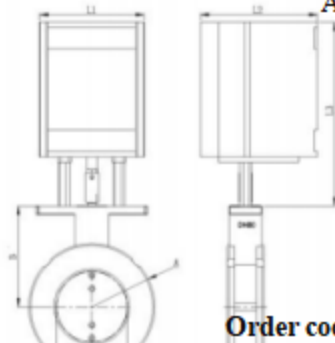
AKL automatic aluminum butterfly valve (AT31 actuator, direct connection)



No.	Model	Dimension(mm)						
		ϕ	A	B	C	L1	L2	L3
1	AKL-32-2	32	57.5	100	42	80	123	177
2	AKL-40-2	40	57.5	100				
3	AKL-50-2	50	57.5	100				
4	AKL-65-2	65	67.5	107.5				
5	AKL-80-2	80	72.5	116				
6	AKL-100-2	100	82	125				
7	AKL-125-2	125	96	137.5				
8	AKL-150-2	150	108.5	152				

AKL Gas / Cold Air Butterfly Valve

AKL automatic aluminum alloy butterfly valve (AT50 actuator, direct connection)



No.	Model	Dimensions (mm)						
		φ	A	B	C	L1	L2	L3
1	AKL-32-3	32	57.5	100	42	120	135	211
2	AKL-40-3	40	57.5	100				
3	AKL-50-3	50	57.5	100				
4	AKL-65-3	65	67.5	107.5				
5	AKL-80-3	80	72.5	116				
6	AKL-100-3	100	82	125				
7	AKL-125-3	125	96	137.5				
8	AKL-150-3	150	108.5	152				

Order code and Model of AKL Gas / Cold Air Butterfly Valve

No.	Order code	Model	Product Description
1	108060320001	AKL-32-S	Nominal diameter DN32, manual aluminum alloy butterfly valve
2	108060400001	AKL-40-S	Nominal diameter DN40, manual aluminum alloy butterfly valve
3	108060500001	AKL-50-S	Nominal diameter DN50, manual aluminum alloy butterfly valve
4	108060650001	AKL-65-S	Nominal diameter DN65, manual aluminum alloy butterfly valve
5	108060800001	AKL-80-S	Nominal diameter DN80, manual aluminum alloy butterfly valve
6	108061000001	AKL-100-S	Nominal diameter DN100, manual aluminum alloy butterfly valve
7	108061250001	AKL-125-S	Nominal diameter DN125, manual aluminum alloy butterfly valve
8	108061500001	AKL-150-S	Nominal diameter DN150, manual aluminum alloy butterfly valve
9	108010320001	AKL-32-1	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, swing rod type)
10	108010400001	AKL-40-1	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, swing rod type)
11	108010500001	AKL-50-1	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, swing rod type)
12	108010650001	AKL-65-1	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, swing rod type)
13	108010800001	AKL-80-1	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, swing rod type)
14	108011000001	AKL-100-1	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, swing rod type)
15	108011250001	AKL-125-1	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, swing rod type)
16	108011500001	AKL-150-1	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, swing rod type)
17	108100320001	AKL-32-2	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, directly connected)
18	108100400001	AKL-40-2	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, directly connected)
19	108100500001	AKL-50-2	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, directly connected)
20	108100650001	AKL-65-2	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, directly connected)
21	108100800001	AKL-80-2	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, directly connected)
22	108101000001	AKL-100-2	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, directly connected)
23	108101250001	AKL-125-2	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, directly connected)
24	108101500001	AKL-150-2	Automatic aluminum alloy butterfly valve (used with AT31 Actuator, directly connected)
25	108130320001	AKL-32-3	Automatic aluminum alloy butterfly valve (used with AT50 Actuator, directly connected)
26	108130400001	AKL-40-3	Automatic aluminum alloy butterfly valve (used with AT50 Actuator, directly connected)
27	108130500001	AKL-50-3	Automatic aluminum alloy butterfly valve (used with AT50 Actuator, directly connected)
28	108130650001	AKL-65-3	Automatic aluminum alloy butterfly valve (used with AT50 Actuator, directly connected)
29	108130800001	AKL-80-3	Automatic aluminum alloy butterfly valve (used with AT50 Actuator, directly connected)
30	108131000001	AKL-100-3	Automatic aluminum alloy butterfly valve (used with AT50 Actuator, directly connected)
31	108131250001	AKL-125-3	Automatic aluminum alloy butterfly valve (used with AT50 Actuator, directly connected)
32	108131500001	AKL-150-3	Automatic aluminum alloy butterfly valve (used with AT50 Actuator, directly connected)
33	108140320001	AKL-32-4	Extended automatic aluminum alloy butterfly valve (used with AT31 actuator, swing rod type) is suitable for pipe network environment in the range of 100°C ~ 150°C.
34	108140400001	AKL-40-4	Extended automatic aluminum alloy butterfly valve (used with AT31 actuator, swing rod type) is suitable for pipe network environment in the range of 100°C ~ 150°C.
35	108140500001	AKL-50-4	Extended automatic aluminum alloy butterfly valve (used with AT31 actuator, swing rod type) is suitable for pipe network environment in the range of 100°C ~ 150°C.
36	108140650001	AKL-65-4	Extended automatic aluminum alloy butterfly valve (used with AT31 actuator, swing rod type) is suitable for pipe network environment in the range of 100°C ~ 150°C.
37	108140800001	AKL-80-4	Extended automatic aluminum alloy butterfly valve (used with AT31 actuator, swing rod type) is suitable for pipe network environment in the range of 100°C ~ 150°C.
38	108141000001	AKL-100-4	Extended automatic aluminum alloy butterfly valve (used with AT31 actuator, swing rod type) is suitable for pipe network environment in the range of 100°C ~ 150°C.
39	108141250001	AKL-125-4	Extended automatic aluminum alloy butterfly valve (used with AT31 actuator, swing rod type) is suitable for pipe network environment in the range of 100°C ~ 150°C.
40	108141500001	AKL-150-4	Extended automatic aluminum alloy butterfly valve (used with AT31 actuator, swing rod type) is suitable for pipe network environment in the range of 100°C ~ 150°C.

Precautions: This series of butterfly valves and pipes are installed by clamping flanges, and the flanges are PN1. 6 Mpa plate butt-welded steel Series 1 flange in "GB/T9119-2000".