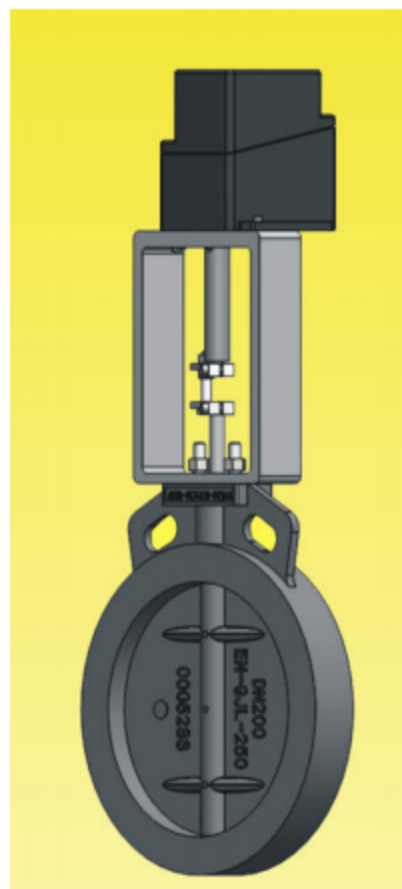




AKR

Hot Air Butterfly Valve



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AKR Hot Air Butterfly Valve

Overview

AKR Hot Air Butterfly Valve is mainly used for hot air and pipe smoke control. It is mainly used for preheated combustion air operated burners at temperatures up to 450°C (840°F). It can be used for manual control, and can also be controlled automatically by using our company's AT31, AT50 and optional foreign actuators such as Siemens and Hocod IC20 or electromagnetic pulse actuators.



Fig. 1 AKR Automatic Hot Air Butterfly Valve

Features

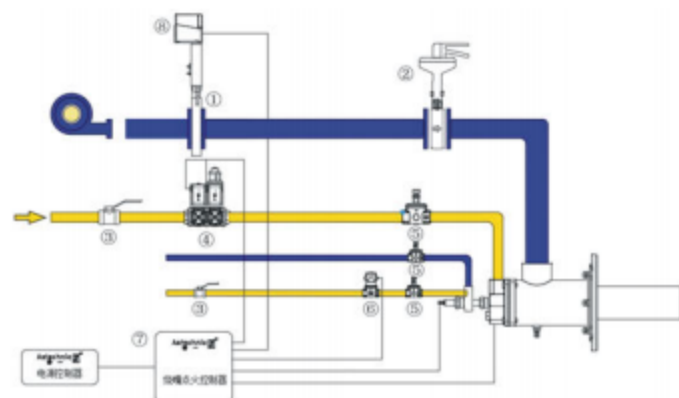
- It can be used at temperatures up to 450 °C.
- It has the characteristics of hot air compensation, low leakage rate, low pressure loss and high control precision.
- It includes manual control and automatic control, and can be customized and configured according to the needs of users.



Fig. 2 AKR Manual Hot Air Butterfly Valve

Functions and Applications

- AKR hot air butterfly valve is mainly used for manual regulation of air, gas or smoke or for automatic regulation with actuators.
- The design of AKR hot 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 action of AKR hot air butterfly valve is very simple. Therefore, the actuator only needs low torque.



- ① Automatic Hot Air Butterfly Valve AKR
- ② Manual Hot Air Butterfly Valve AVH
- ③ Gas manual shutoff valve
- ④ Gas Combined Solenoid Valve AZC. L
- ⑤ Gas Fine Regulating Valve ASH
- ⑥ Gas Solenoid Valve AMR. N/AVE. N
- ⑦ Burner Ignition Controller ACU460/ACU480
- ⑧ AT31 Actuator

Fig. 3 AKR Installation diagram

Dimension and specification table of AKR-S manual hot air butterfly valve

No.	Model	Dimensions (mm)			
		0	L1	L2	L3
1	AKR-40-S	40	203		26
2	AKR-50-S	50	206		26
3	AKR-65-S	65	225		26
4	AKR-80-S	80	242		31
5	AKR-100-S	100	261		26
6	AKR-125-S	125	300		36
7	AKR-150-S	150	328	100	40
8	AKR-200-S	200	382		40
9	AKR-250-S	250	456		43
10	AKR-300-S	300	524		53
11	AKR-350-S	350	596		56
12	AKR-400-S	400	671		60
13	AKR-450-S	450	746		64

Fig. 4 AKR- S Manual Hot Air Butterfly Valve

Dimension and specification table of AKR-1 Automatic Hot Air Butterfly Valve

No.	Model	Dimensions (mm)			
		R1	R2	L1	L2
1	AKR-40-1	39	20	325	87
2	AKR-50-1	42	25		87
3	AKR-65-1	52	32.5		97
4	AKR-80-1	59	40		105
5	AKR-100-1	70	50		116
6	AKR-125-1	84	62.5		173
7	AKR-150-1	97	75		143
8	AKR-200-1	123	100		169
9	AKR-250-1	151	125		197
10	AKR-300-1	176	150		222

Connection component Executive agency

Fig. 5 AKR-1 Automatic Hot Air Butterfly Valve

Note: AKR-1 automatic hot air valve is used in hot air pipe flow automatic control system. The valve is equipped with AT31 actuators connected to our company, so it is necessary to purchase AT31 actuators to form a complete automatic control valve.

AKR-2 Automatic Hot Air Butterfly Valve(AT50 Actuator)

No.	Model	Dimensions (mm)		
		0	L1	L2
1	AKR-40-2	40	316	26
2	AKR-50-2	50	328	26
3	AKR-65-2	65	335	26
4	AKR-80-2	80	363	31
5	AKR-100-2	100	402	26
6	AKR-125-2	125	428	36
7	AKR-150-2	150	433	40
8	AKR-200-2	200	503	40
9	AKR-250-2	250	555	43
10	AKR-300-2	300	615	53
11	AKR-350-2	350	664	56

Valve body +Connection component

Executive agency

Fig. 6 AKR-2 Automatic Hot Air Butterfly Valve

Automatic AKR-2 is used in hot air pipe flow automatic control system. The valve is equipped with AT50 actuators connected to our company, so it is necessary to purchase AT50 actuators to form a complete automatic control valve.

Precautions: The AKR- S Manual Hot Air Butterfly Valve has a dial, and the adjusting handle can be stuck on the dial slot.

Order code and Model of AVH Hot Air Butterfly Valve

No.	Order code	Model	Product Description
1	108070400001	AKR-40-S	φ40 Manual Hot Air Cast Iron Butterfly Valve
2	108070500001	AKR-50-S	φ50 Manual Hot Air Cast Iron Butterfly Valve
3	108070650001	AKR-65-S	φ65 Manual Hot Air Cast Iron Butterfly Valve
4	108070800001	AKR-80-S	φ80 Manual Hot Air Cast Iron Butterfly Valve
5	108071000001	AKR-100-S	φ100 Manual Hot Air Cast Iron Butterfly Valve
6	108071250001	AKR-125-S	φ125 Manual Hot Air Cast Iron Butterfly Valve
7	108071500001	AKR-150-S	φ150 Manual Hot Air Cast Iron Butterfly Valve
8	108072000001	AKR-200-S	φ200 Manual Hot Air Cast Iron Butterfly Valve
9	108072500001	AKR-250-S	φ250 Manual Hot Air Cast Iron Butterfly Valve
10	108073000001	AKR-300-S	φ300 Manual Hot Air Cast Iron Butterfly Valve
11	108073500001	AKR-350-S	φ350 Manual Hot Air Cast Iron Butterfly Valve
12	108074000001	AKR-400-S	φ400 Manual Hot Air Cast Iron Butterfly Valve
13	108074500001	AKR-450-S	φ450 Manual Hot Air Cast Iron Butterfly Valve
14	108020400001	AKR-40-1	φ40 Automatic Hot Air cast Iron Butterfly Valve is used with AT31 Actuator
15	108020500001	AKR-50-1	φ50 Automatic Hot Air cast Iron Butterfly Valve is used with AT31 Actuator
16	108020650001	AKR-65-1	φ65 Automatic Hot Air cast Iron Butterfly Valve is used with AT31 Actuator
17	108020800001	AKR-80-1	φ80 Automatic Hot Air cast Iron Butterfly Valve is used with AT31 Actuator
18	108021000001	AKR-100-1	φ100 Automatic Hot Air cast Iron Butterfly Valve is used with AT31 Actuator
19	108021250001	AKR-125-1	φ125 Automatic Hot Air cast Iron Butterfly Valve is used with AT31 Actuator
20	108021500001	AKR-150-1	φ150 Automatic Hot Air cast Iron Butterfly Valve is used with AT31 Actuator
21	108022000001	AKR-200-1	φ200 Automatic Hot Air cast Iron Butterfly Valve is used with AT31 Actuator
22	108022500001	AKR-250-1	φ250 Automatic Hot Air cast Iron Butterfly Valve is used with AT31 Actuator
23	108023000001	AKR-300-1	φ300 Automatic Hot Air cast Iron Butterfly Valve is used with AT31 Actuator
24	108160400001	AKR-40-2	φ40 Automatic Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
25	108160500001	AKR-50-2	φ50 Automatic Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
26	108160650001	AKR-65-2	φ65 Automatic Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
27	108160800001	AKR-80-2	φ80 Automatic Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
28	108161000001	AKR-100-2	φ100 Automatic Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
29	108161250001	AKR-125-2	φ125 Automatic Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
30	108161500001	AKR-150-2	φ150 Automatic Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
31	108162000001	AKR-200-2	φ200 Automatic Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
32	108162500001	AKR-250-2	φ250 Automatic Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
33	108163000001	AKR-300-2	φ300 Automatic Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
34	108163500001	AKR-350-2	φ350 Automatic Hot Air cast Iron Butterfly Valve is used with AT50 Actuator