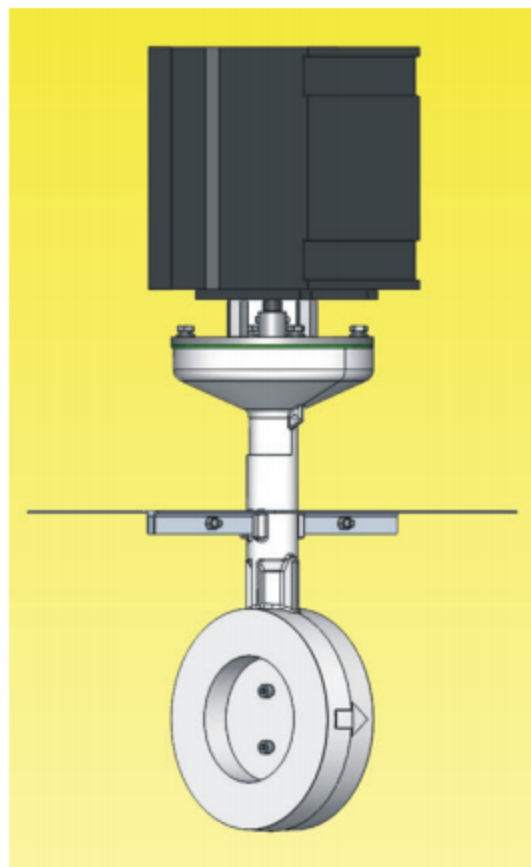




AVH Hot Air Butterfly Valve



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AVH Hot Air Butterfly Valve

Overview

AVH Hot Air Butterfly Valve is mainly suitable for hot and cold air and pipe smoke control, can be used for manual control, and can also use our company's AT31, AT50 and optional foreign actuators such as Siemens and Hocod IC20 or electromagnetic pulse actuators to realize automatic control.

Features

It is suitable for metal heat treatment furnace.

It can be used at temperatures up to 450C.

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.

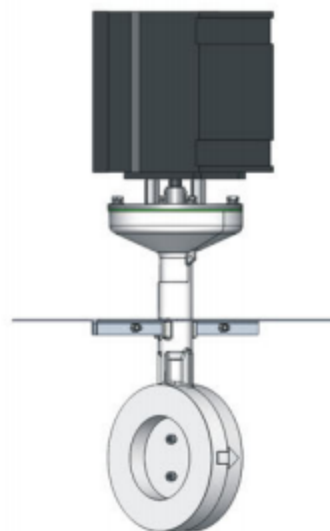
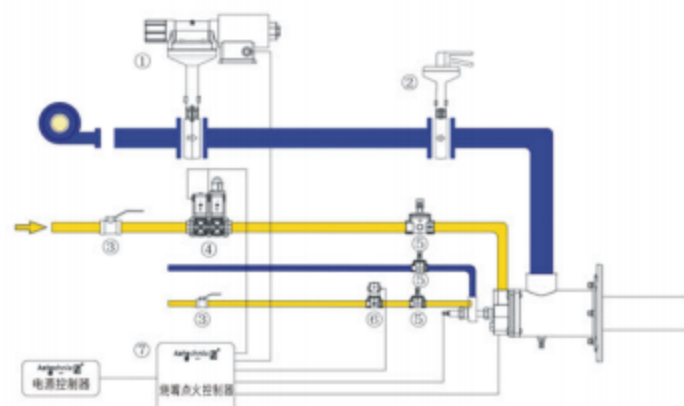


Fig. 1 AVH Hot Air Butterfly Valve

Functions and Applications

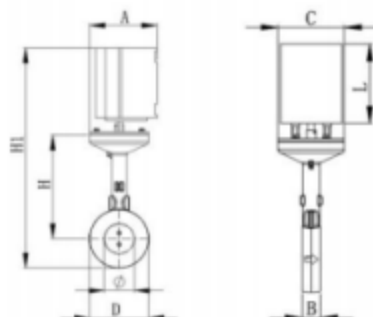
- AVH hot air butterfly valve is mainly used for manual regulation of air, gas or smoke or for automatic regulation with actuators.
- The design of AVH hot air butterfly valve is based on free flow principle. According to the rotational motion between 0 and 90 °, the cross section of the flowing medium is released.
- The AVH hot air butterfly valve disc has a metal plate spring and works with a mechanical stop rod to ensure extremely low leakage.
- The action of AVH hot air butterfly valve is very simple. Therefore, the actuator only needs low torque.



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

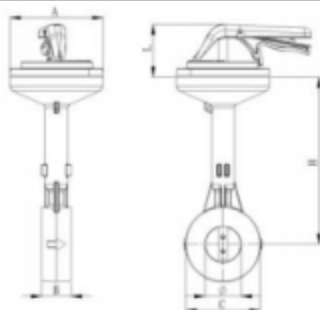
Fig. 2 Installation diagram of AVH Hot Air Butterfly Valve

Installation dimensions and specifications



Dimension and specification table of AVH automatic hot air butterfly valve

No.	Model	Actuator	Dimension(mm)							
			ϕ	A	B	C	D	L	H	H1
1	AVH-40	AT50	40	148	42	130	106	155	235	480
2	AVH-50		50		42		106		235	480
3	AVH-65		65		42		130		230	488
4	AVH-80		80		42		144		240	501
5	AVH-100		100		42		164		300	522
6	AVH-125		125		50		200		254	546
7	AVH-150		150		50		230		273	507



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

No.	Model		A	B	C	L	H
1	AVH-40-S	40	130	42	106	75	235
2	AVH-50-S	50		42	106		235
3	AVH-65-S	65		42	130		230
4	AVH-80-S	80		42	144		240
5	AVH-100-S	100		42	164		300
6	AVH-125-S	125		50	200		254
7	AVH-150-S	150		50	230		273

Order code and Model of AVH Hot Air Butterfly Valve

No.	Order code	Model	Product Description
1	117120400001	Automatic Hot Air Butterfly Valve AVH-40	Nominal diameter DN40 Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
2	117030400001	Manual Hot Air Butterfly Valve AVH-40-S	Nominal diameter DN40 manual hot air cast iron butterfly valve
3	117120500001	Automatic Hot Air Butterfly Valve AVH-50	Nominal diameter DN50 Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
4	117030500001	Manual Hot Air Butterfly Valve AVH-50-S	Nominal diameter DN50 manual hot air cast iron butterfly valve
5	117120650001	Automatic Hot Air Butterfly Valve AVH-65	Nominal diameter DN65 Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
6	117030650001	Manual Hot Air Butterfly Valve AVH-65-S	Nominal diameter DN65 manual hot air cast iron butterfly valve
7	117120800001	Automatic Hot Air Butterfly Valve AVH-80	Nominal diameter DN80 Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
8	117030800001	Manual Hot Air Butterfly Valve AVH-80-S	Nominal diameter DN80 manual hot air cast iron butterfly valve
9	117121000001	Automatic Hot Air Butterfly Valve AVH-100	Nominal diameter DN100 Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
10	117031000001	Manual Hot Air Butterfly Valve AVH-100-S	Nominal diameter DN100 manual hot air cast iron butterfly valve
11	117121250001	Automatic Hot Air Butterfly Valve AVH-125	Nominal diameter DN125 Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
12	117031250001	Manual Hot Air Butterfly Valve AVH-125-S	Nominal diameter DN125 manual hot air cast iron butterfly valve
13	117121500001	Automatic Hot Air Butterfly Valve AVH-150	Nominal diameter DN150 Hot Air cast Iron Butterfly Valve is used with AT50 Actuator
14	117031500001	Manual Hot Air Butterfly Valve AVH-150-S	Nominal diameter DN150 manual hot air cast iron butterfly valve

Precautions

- This series of butterfly valves and pipes are installed by clamping flanges, and the flanges are PN1.6Mpa plate butt-welded steel pipe Series 1 flange in "GB/T9119-2000".
- AVH-S hot air cast iron butterfly with dial, adjustment handle can be stuck on the dial slot.