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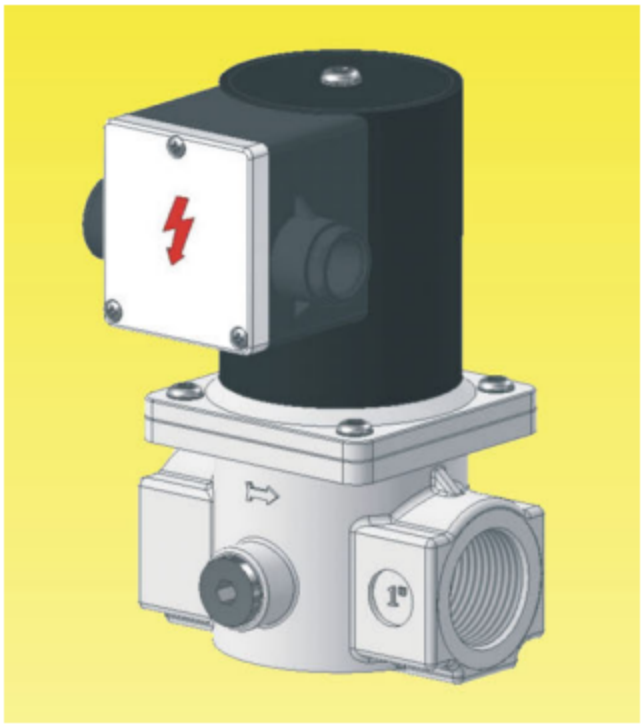
诺 一

AVC
Air Solenoid Valve



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AVC Air Solenoid Valve

Overview

AVC fast opening and closing air solenoid valve, suitable for safe transportation control field, to provide opening and closing or cutting off air supply.

The solenoid valve is suitable for gas medium, can only be used for air, and does pipeline two-position on-off power exchange.

It is widely used in gas heat setting in metallurgical industry, textile industry, printing industry, kiln heating in glass and light bulb industry and gas heating automatic control system in other industries.

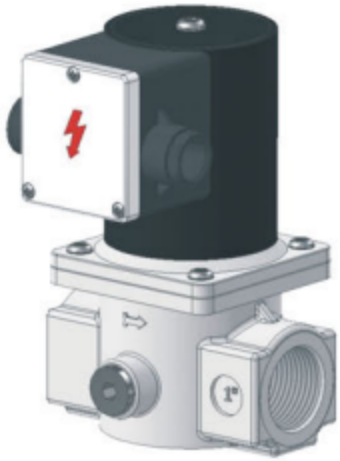


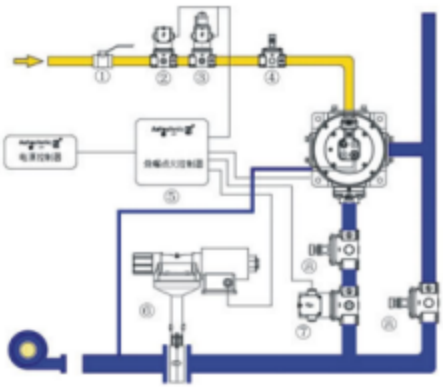
Fig. 1 AVC Air Solenoid Valve

Features

- It has a wide range of models and specifications and is only used in air media.
- The coil connection box has a power indicator, which can directly observe the power on and off state of the valve.
- It can work normally under vacuum, negative pressure and zero pressure, and the highest working pressure can reach 360mabr.
- It has high safety, reliability, adaptability and economy.

Functions and Applications

- AVC air solenoid valve is a safety equipment which is suitable for cutting off air circuit and reserving 5% air output.
- AVC air solenoid valve has reliable working characteristics, so it is usually installed in the air line as a device for regulating air flow.
- AVC air solenoid valve is often closed, power on quickly, the green light is on after the power is turned on, and the light is turned off immediately after the power is off. There are by-pass holes on both sides of the valve body, and the aperture is G1/4";



① Gas manual shutoff valve
② Gas manual shutoff valve AVE .N/AMR.N
③ Gas quick opening solenoid valve AVE.L
④ Gas Fine Regulating Valve ASH
⑤ Burner Ignition Controller ACU460/ACU480 .
⑥ Air Pulse Solenoid Valve ACK
⑦ Air Solenoid Valve AVC
⑧ Manual air control valve ASH

Fig. 2 Installation example of AVC Air Solenoid Valve

Installation dimensions and specifications

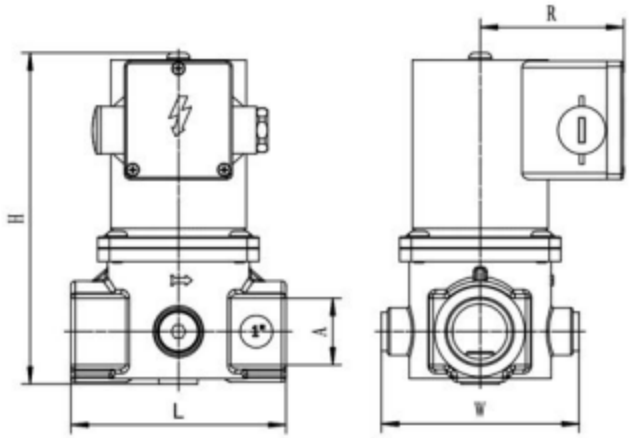


Fig. 4 Structure diagram of AVC Thread connection

Model	Nominal inner diameter	Connection mode	Internal thread	Length	Width	Height	Coil rotation radius	230V ACPower
			A	L	w	H	R(mm)	(W)
AVC15	DN15	Thread connection	Rp 1/2	72	71	111	62	14
AVC20	DN20	Thread connection	Rp3/4	100	92	155	65	20
AVC25	DN25	Thread connection	Rp 1	100	92	155	65	20
AVC32	DN32	Thread connection	Rp 1 1/4	147	113	214	77	41
AVC40	DN40	Thread connection	Rp 1 1/2	147	113	214	77	41
AVC50	DN50	Thread connection	Rp2	170	139	226	81	60

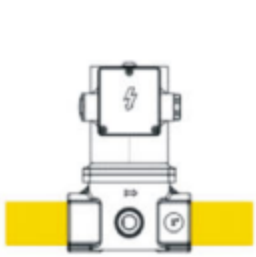
Technical Parameters of AVC Air Solenoid Valve

- Opening time: AVC series less than 1 second;
- Working medium: air only;
- Working temperature: -15°C~60°C;
- Maximum working frequency: AVC series 20 times per minute;
- Maximum working pressure: DN15-50 360mbar;
- Rated voltage: 50/60Hz, 230Vac, coil class: F, 360° rotation, 100% long-term continuous operation.
- Protection class: IP54 ;
- Sealing material: nitrile rubber;
- Body material: valve aluminum alloy; AISI 302 steel spring;
- Coil temperature: 65°C (ambient temperature 20°C);
- Standards and certifications: "A" level standards;
- Service life: in line with JB/T 7352-2010 technical requirements;
- Leakage: in line with JB/T 7352-2010 technical requirements;
- Rated flow coefficient: in line with JB/T 7352-2010 regulations.

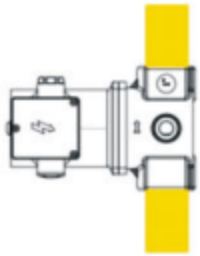
Order code and Model of AVC Air Solenoid Valve

No.	Order code	Model	Product Description
1	103030600002	AVC15	Thread connection Rp1/2
2	103030200003	AVC20	Thread connection Rp3/4
3	103030100002	AVC25	Thread connection Rp1
4	103030300002	AVC32	Thread connection Rp1 1/4
5	103030400002	AVC40	Thread connection Rp1 1/2
6	103030500002	AVC50	Thread connection Rp2

Precautions for Installation and use of AVC Air Solenoid Valve



Horizontal pipeline



Vertical pipe line

- The horizontal pipe section with less vibration should be selected during installation. 90 degree installation is allowed below DN50, and horizontal installation is only allowed above DN65.
- The parameters on the solenoid valve nameplate should be consistent with the actual use requirements.
- The arrowhead on the solenoid valve body should be consistent with the media flow direction.
- Please clean the pipe thoroughly before installation to avoid the failure of solenoid valve caused by foreign body damage diaphragm.
- Effective protection should be done if installed outdoors and in harsh environment.
- It is recommended to install a filter AF upstream of the solenoid valve to protect the solenoid valve from foreign bodies, dust, etc.
- It is suggested that a manual cut-off valve should be installed upstream of the solenoid valve. When the solenoid valve fails, it can be isolated in time and is convenient for maintenance.
- If the opening and closing of the valve fails in use, check whether the coil is powered off; whether the power supply and medium pressure are normal.
- When the solenoid valve is not installed temporarily, it can be stored in the room where the ambient temperature is 0-40 ℃ and the relative humidity is less than 80%. Open-air storage is not allowed.
- Ensure that all functions of the system comply with valve specifications (gas type, working pressure, flow rate, ambient temperature, voltage, etc.).
- Maintenance cycle once a year, and increase the number of maintenance as appropriate, such as corrosive gases