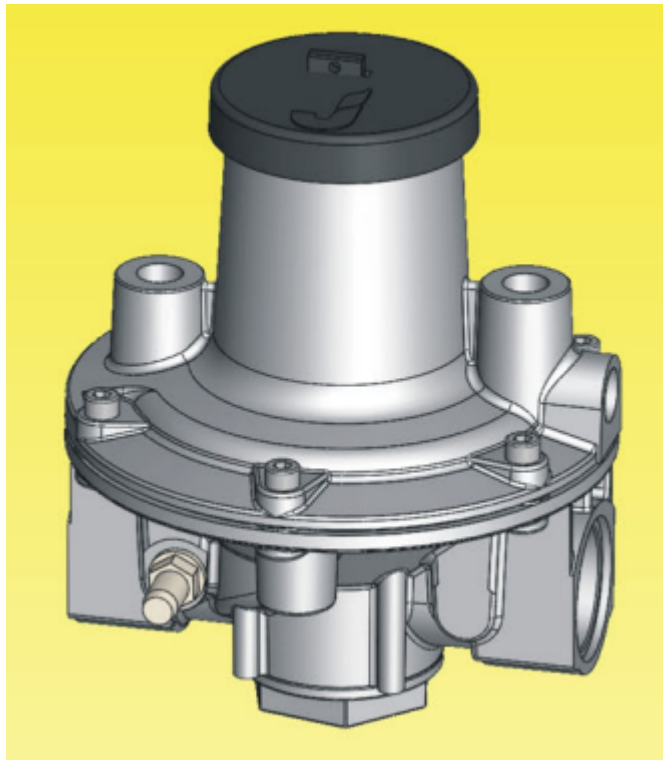




AMS Release Valve



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AMS Release Valve

Overview

The release valve is used to alleviate the transient pressure fluctuation in the control system so as to prevent the cut-off valve from starting unexpectedly; when the pressure at the control point exceeds the set value for some temporary reason, a certain amount of gas is discharged.

Features

- When the inlet pressure of the release valve AMS exceeds the set pressure of the release valve, the valve will release automatically.
- The maximum inlet pressure is 4bar, the discharge opening pressure is 80~200mbar adjustable, and the factory setting is 120mbar.
- It is suitable for natural gas, liquefied gas, and other clean non-corrosive gases.

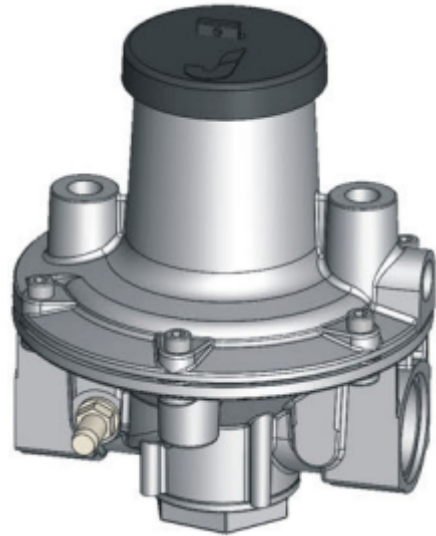
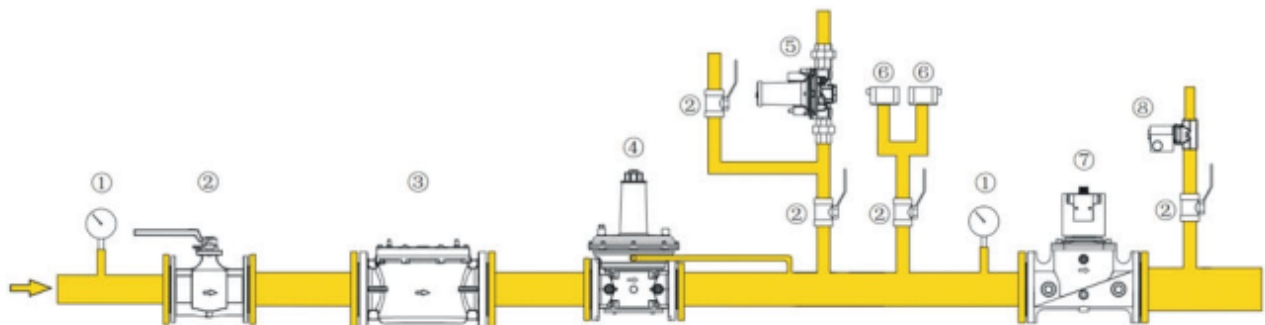


Fig. 1 AMS Release Valve

Functions and Applications

- The release valve AMS is mostly used in the gas main road in the automatic control combustion system, and is installed on the middle pipeline of the self-operated pressure stabilizing valve and the gas automatic cut-off valve to release the instantaneous pressure rise caused by the opening of the upstream valve and protect the downstream valve.



- | | | |
|----------------------------|--|--------------------------------------|
| ① Pressure gauge | ④ Pressure Reducing Valve/ Stabilizing Valve | ⑦ Gas normally closed solenoid valve |
| ② Gas manual shutoff valve | ⑤ Automatic release valve | ⑧ Gas normally open solenoid valve |
| ③ Filter | ⑥ Pressure switch | |

Fig. 2 Installation example of AMS Relief Valve

Installation dimensions and specifications

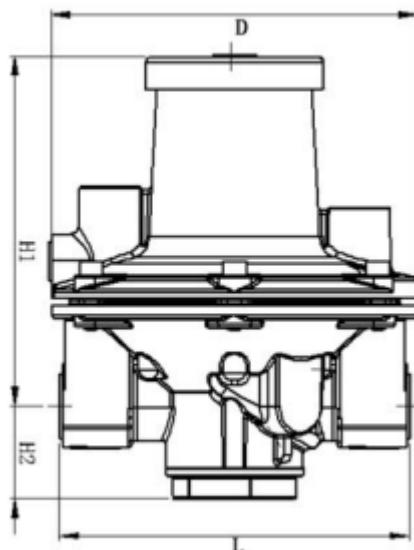


Fig. 3 Outline dimension diagram of AMS relief valve

Model	Nominal inner diameter	Thread connection	Dimension(mm)			
			L	H1	H2	ϕD
AMS- 25	DN25	Rp1	125	34	132	134

Technical Parameters of AMS Release Valve

- Product Structure: Internal thread connection;
- Working medium: gas, liquefied petroleum gas, Natural gas and other non-corrosive gases
- Operating temperature: -15C~60C;
- Maximum inlet pressure: 4bar;
- Release opening pressure: 80~200mbar

Order code and Model of AMS Release Valve

No.	Order code	Model	Product Description
1	107010250001	AMS-25	Maximum inlet pressure: 4bar, voltage regulating range: 80-200mbar



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AMS Release Valve

Precautions for system design, installation and maintenance of Release Valve

- It can be installed in any location.
- The arrow on the valve body indicates the direction of air flow, so pay attention to it during installation.
- The working environment temperature is -15 °C ~ 60 °C, and the installation should be as far away from the heat source as possible.
- The valve adjusting knob needs to reserve space to facilitate the adjustment of release pressure.
- Before installing the release valve on the pipe, the pipe should be cleaned and attention should be paid to the correct use of sealing materials such as raw material belt during installation to prevent foreign bodies from falling into the valve.
- It is recommended that a manual cut-off valve should be installed upstream of the release valve to facilitate valve maintenance.
- The maintenance cycle is once a year, and the number of maintenance is increased as appropriate.