

# Solenoid valve SV



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## CHARACTERISTICS

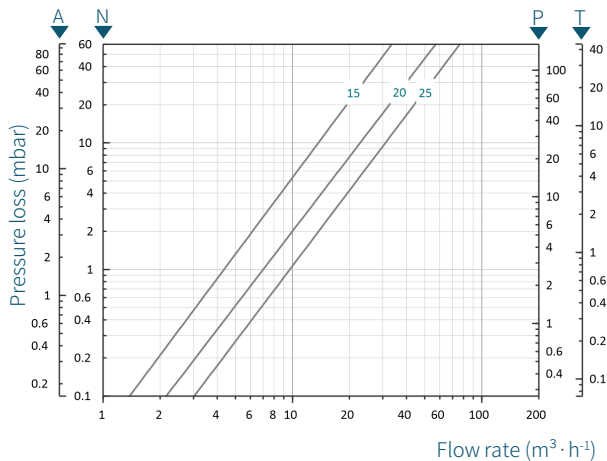
- For safe shut-off of gas supply.
- Quick opening and closing, both opening time and closing time are less than 1 s.
- The state of power on or off can be observed through the power indicator.
- Medium: natural gas, LPG, town gas, air and other clean gases.

## APPLICATIONS

In automatically controlled combustion system, the gas solenoid valve SV is used as a gas switch of ignition burner or low-capacity burner. It is generally controlled by SCU. And when the burner is extinguished, it will cut off gas supply to ensure the safety of operation.

## SPECIFICATION

### Pressure loss



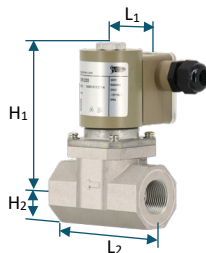
A: Air  $1.2 \text{ kg} \cdot \text{m}^{-3}$ ,  
 N: Natural gas  $0.75 \text{ kg} \cdot \text{m}^{-3}$ ,  
 P: LPG  $2.0 \text{ kg} \cdot \text{m}^{-3}$ ,  
 T: Town gas  $0.55 \text{ kg} \cdot \text{m}^{-3}$ .  
 Gas temperature:  $20^\circ\text{C}$ .

### Type table

Type	SV	20	R	/220
Nominal diameter	15: DN15	20: DN20	25: DN25	
Connection	R: Thread			
Mains voltage	220: 220VAC			

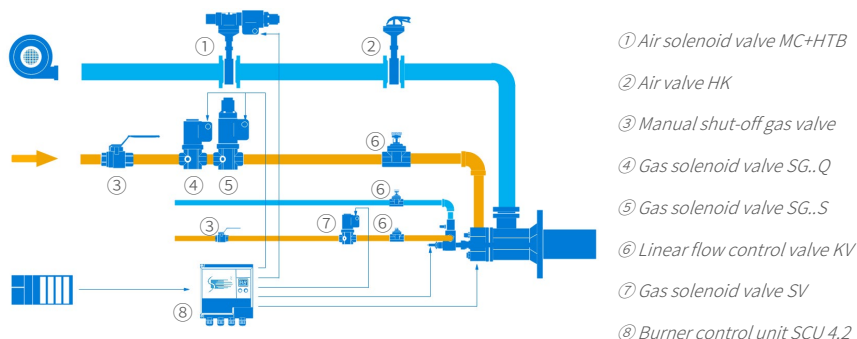
### Dimensions

Type	Connection	L <sub>1</sub> /mm	L <sub>2</sub> /mm	H <sub>1</sub> /mm	H <sub>2</sub> /mm	Max. inlet pressure /mbar	Power /W
SV 15R	Rp $\frac{1}{2}$ "	51	66	94	16	200	25
SV 20R	Rp $\frac{3}{4}$ "	54	85	109	23	200	31
SV 25R	Rp1"	54	85	109	23	200	31



## SOLUTIONS

For safe shut-off of gas supply:

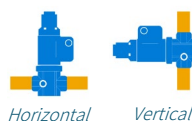


## INSTALLATION

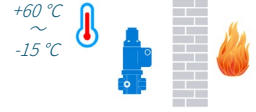
- The pipeline must be purged before installation. Pay attention to the correct use of sealing materials such as PTFE tapes to prevent foreign matters from falling into the valve.
- Do not weld the pipe around the valve after installing to prevent foreign matters from blocking or damaging the valve.
- A manual shut-off valve should be installed upstream to facilitate maintenance.
- A filter should be installed upstream to protect the valve from foreign matters, dust, etc.

### Installation position

- Installation position: in horizontal pipeline or vertical pipeline, and the solenoid coil is located above the horizontal direction.
- The arrow on the valve body indicates the flow direction, determine the installation direction according to the arrow.



- Ambient temperature:  $-15\sim 60\text{ }^{\circ}\text{C}$ , install away from heat sources.
- Do not exceed the max inlet pressure of 200 mbar.
- Enclosure: IP 54. Prohibit installing it in the open air.



## Wiring

- Connect live wire and neutral wire respectively follow the marks on terminals, and use BVR cables of  $1\sim 2.5\text{ mm}^2$  with a withstand voltage of 500 V.