

# Manual linear flow control valve KV



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## CHARACTERISTICS

- Linear relationship between adjustment angle and flow rate.
- The valve adjusting screw has a lock nut, which is used to lock the lever to prevent valve position from changing.
- Lightweight design, made by aluminum alloy.
- Medium: air, natural gas, LPG and other clean gases.
- Maximum inlet pressure: 4 bar.

## APPLICATIONS

KV series is used in processes that require precise adjustment of flow rate. It is often used as a manual control valve for gas or combustion air.

## SPECIFICATION

### Pressure loss

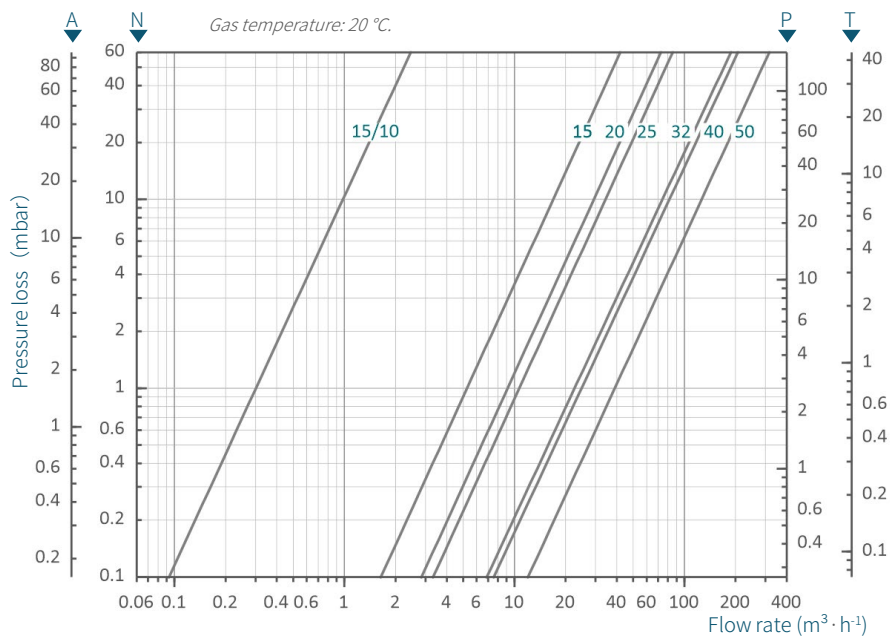
A: Air, 1.2 kg/m<sup>3</sup>,

N: Natural gas, 0.75 kg/m<sup>3</sup>,

P: LPG, 2.0 kg/m<sup>3</sup>,

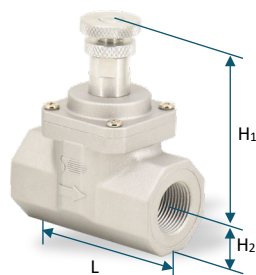
T: Town gas, 0.55 kg/m<sup>3</sup>.

Gas temperature: 20 °C.



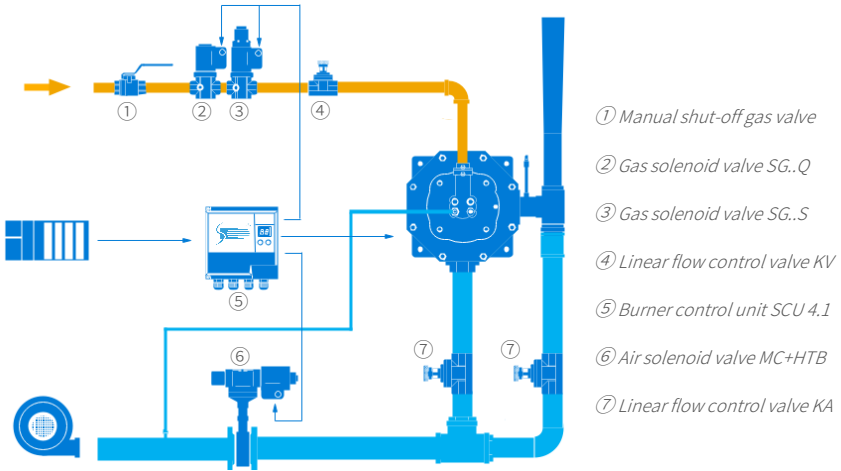
### Dimensions

Type	Connection	L/mm	H <sub>1</sub> /mm	H <sub>2</sub> /mm
KV 15/10	Rp $\frac{1}{2}$ "	66	50	16
KV 15	Rp $\frac{1}{2}$ "	66	71	16
KV 20	Rp $\frac{3}{4}$ "	85	82	23
KV 25	Rp 1"	85	82	23
KV 32	Rp 1 $\frac{1}{4}$ "	128	134	38
KV 40	Rp 1 $\frac{1}{2}$ "	128	134	38
KV 50	Rp 2"	136	134	38



The above data is measured when the valve closed.

## SOLUTION



## INSTALLATION

- Installation position: in any direction of pipeline. Remember to reserve sufficient space for installation, removal and operation.
- Ambient temperature: -15~60 °C, install away from heat sources.
- Do not weld the pipe around the valve after installing to prevent foreign matters from blocking or damaging the valve.
- The arrow on the valve body indicates the flow direction. Determine the installation direction according to the arrow.