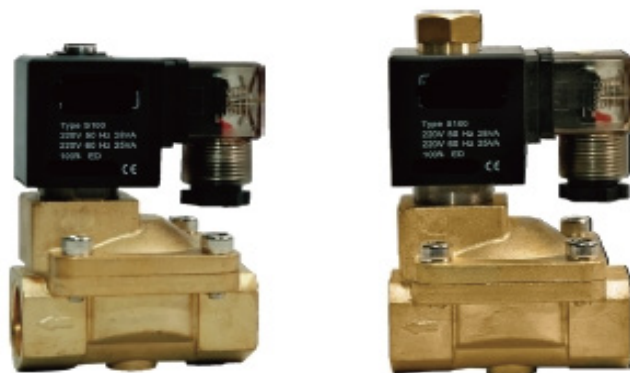


Fig.48A 2/2 way Solenoid Valve (Normally Closed)



Introduction

Coreline Fig. 48A solenoid valves are 2/2-way, normally closed, pilot-operated valves designed for use in automated fluid control systems.

Key features:

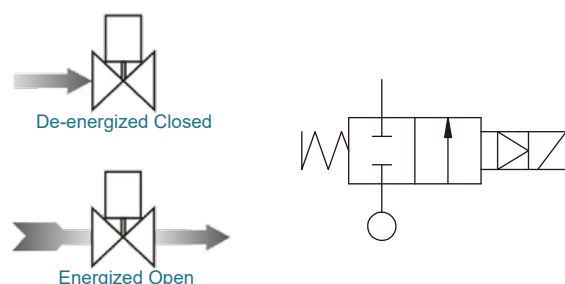
- IP65 coil
- Forged brass body
- Sealing options: EPDM, NBR, VITON
- Voltages available: 230/110 VAC, 24/12 VDC

Product information

Valve Ref.	Port size	Orifice	Operating pressure	Sealing	Fluid temp.	Voltage	Housing
KL-04-NC	3/8" NPT	11 mm	0~30 bar	Viton	-20~+169 °C	DV24V	Brass

Operation

- When the coil is energized, the armature opens the pilot port, causing differential pressure that lifts the diaphragm and opens the main valve - allowing media to flow.
- When the coil is de-energized, the armature closes the pilot port, and the spring force pushes the diaphragm down to close the valve - stopping the flow.



Introduction

- Confirm that the product specifications meet the pipe requirements.
- Install the valve on horizontal pipework, with the coil oriented vertically upwards.
- Do not install with the coil below the pipe centerline in case moisture enters the coil.
- Follow the flow direction indicated on the valve body. Installation against the flow will result in malfunction.
- Ensure the medium is clean and free of particles. Thoroughly flush new pipelines prior to installation. A strainer upstream is recommended.

- All pipework must be properly aligned and supported to avoid mechanical stress on the valve body.
- In cold conditions, protect the valve and fluid from freezing.
- Electrical connections must be completed by a qualified technician.
- The standard coil (IP65) is not explosion-proof. For hazardous areas, use certified coils.
- Do not energize the coil unless mounted on the valve stem — doing so may cause coil damage.

Maintenance

- Regularly check for pilot port blockage, especially if media contains impurities.
- Inspect coil temperature, wiring, and sealing components periodically.
- Clean or replace the strainer if upstream.
- Always disconnect power and isolate the pipeline before maintenance.

Storage

To ensure proper performance, please follow the storage guidelines:

- **Environment:** Store indoors in a dry, clean, and well-ventilated place at $-20\sim+50^{\circ}\text{C}$, with relative humidity below 75%.
- **Protection:** Keep the valve in its original packaging until installation. Ensure that all ports are sealed and the coil remains dry during storage.
- **Duration:** If stored for more than 12 months, inspect the seals and moving parts before use.
- **Exposure:** Avoid contact with corrosive gases or environments that may cause condensation or mechanical stress.

Long-term storage under unsuitable conditions may degrade internal seals, reduce spring tension, and affect overall valve performance. Reconditioning or functional testing is recommended before installation after extended storage.

Dimensions

