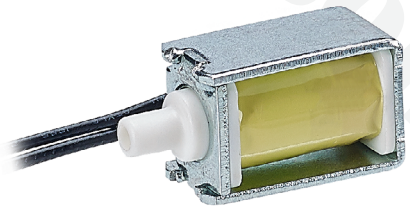
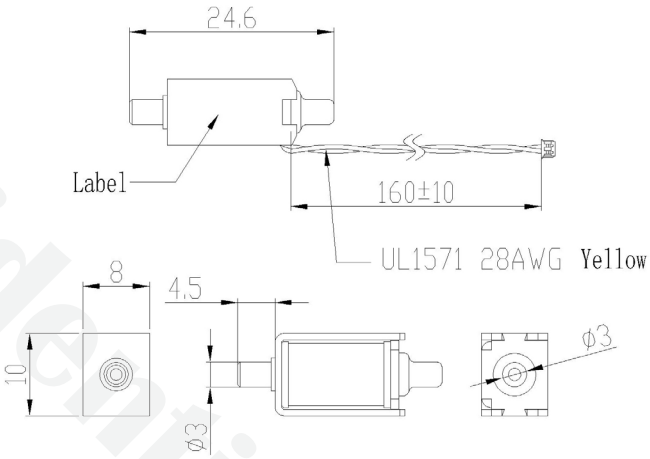
Solenoid Valve

# KSV2W Series KSV2WM






Unit:mm

## Concept

A solenoid valve is an electromechanical controlled valve. The valve features a solenoid, which is an electric coil with a movable ferromagnetic core in its center. This core is called the plunger. In rest position, the plunger with a rubber gasket on the bottom closes off a small orifice. Thus, a small spring holds the plunger down to close the valve. An electric current through the coil creates a magnetic field. The magnetic field exerts a force on the plunger. As a result, the plunger is pulled toward the center of the coil so that the orifice opens.

When the solenoid is not powered, the magnetic field disappears, making the spring goes back up and the orifice will be closed.

## Features

- Compact size
- Low power consumption
- Low air leakage
- High stability
- Quick response

## Application

- Blood pressure devices
- Medical instruments
- Portable gas detection
- Industrial use
- Patient monitor

## Model Key

| Product | KOGE | Solenoid | Category | Type | SeriesA-Z | Voltage | Series | Output |
|---|---|---|---|---|---|---|---|---|
| Valve | K | S | V | 2W | M | 3 | A | KSV2WM-3A |

## Specifications

| Part Number | KSV2WM | |
|---|---|---|
| Voltage | DC 3V | DC 4.5V |
| Operating Voltage | DC 2.3~3.7V | DC 3~6V |
| Max. Pressure | 300mmHg | 300mmHg |
| Max. Current | 250mA | 225mA |
| Type | Normally Closed | Normally Closed |
| DC Resistance | 12Ω ± 10% | 20Ω ± 10% |
| Life | 100,000 cycles | 30,000 cycles |
| Testing Cycle | On 0.5s;Off 3s | On 0.5s;Off 3s |
| Exhaust Speed | <5.0s (from 300mmHg to 15mmHg @50cc tank) | <5.0s (from 300mmHg to 15mmHg @100cc tank) |

## Materials

| | |
|---|---|
| Metal nozzle | Steel |
| Plastic nozzle | PBT |
| Washer | Rubber |

## Similar Products

| | 3V | 6V | 12V | 24V | 32V |
|---|---|---|---|---|---|
| KSV2WA | • | • | • | • | • |