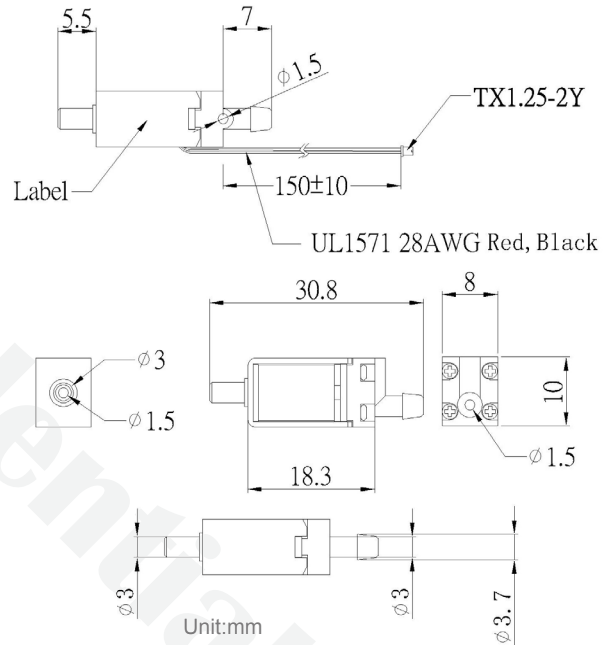
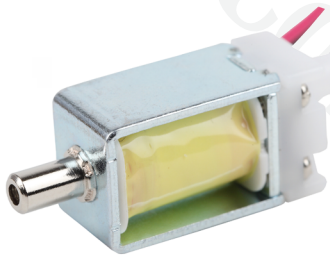


## Solenoid Valve KSV3W Series KSV3WM



### 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

- ▶ Small volume
- ▶ Low noise
- ▶ Low energy consumption
- ▶ Low air leakage
- ▶ High stability

### Application

- ▶ Medical instruments
- ▶ Medical consumer devices
- ▶ Combustion analyzers
- ▶ Portable gas detection
- ▶ Patient monitoring

### Model Key

Product	KOGE	Solenoid	Category	Type	SeriesA-Z	Voltage	Series	Output
Valve	K	S	V	3W	M	5	A	KSV3WM-5A

### Specifications

Part Number	KSV3WM-5A
Voltage	DC 4.5V
Operating Voltage	DC 3~6V
Max. Pressure	300mmHg
Max. Current	225mA
Type	Normally Open
DC Resistance	20Ω±10%
Life	100,000 cycles
Testing Cycle	On 0.5s;Off 3s
Exhaust speed	<5.0s (from 300mmHg to 15mmHg @100cc tank)

### Materials

Metal nozzle	Steel
Plastic nozzle	POM
Washer	Rubber

KOGE reserves the right to make technical changes without notice.